

**Fig. 1A**

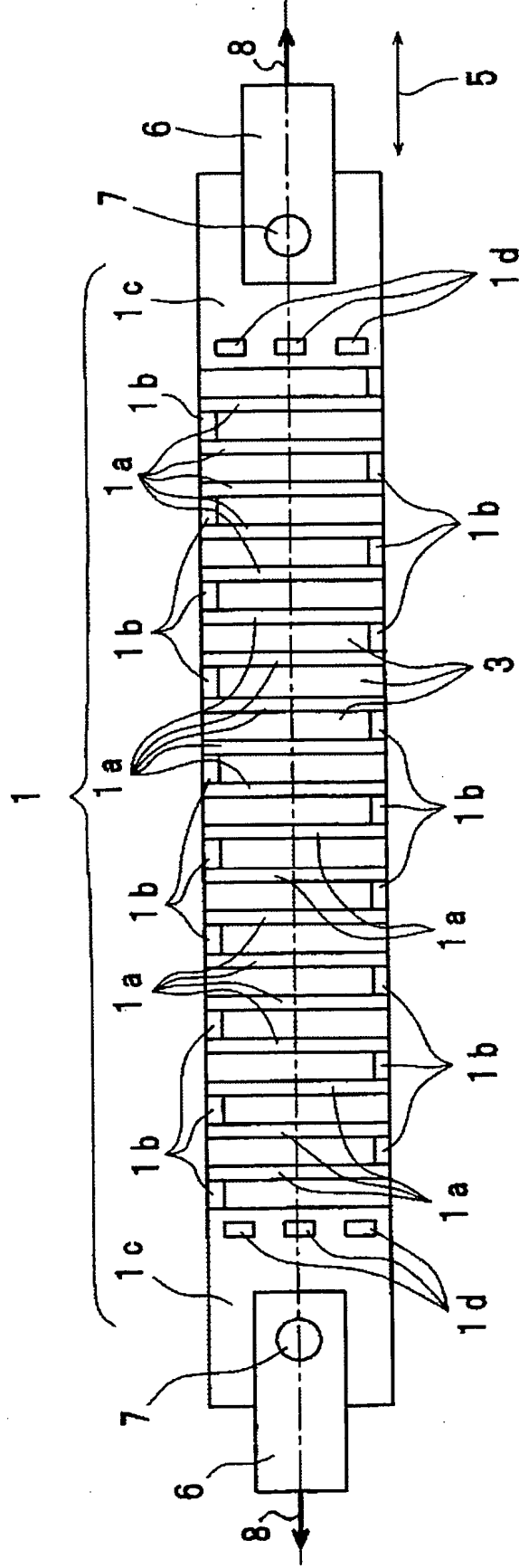


Fig. 1B

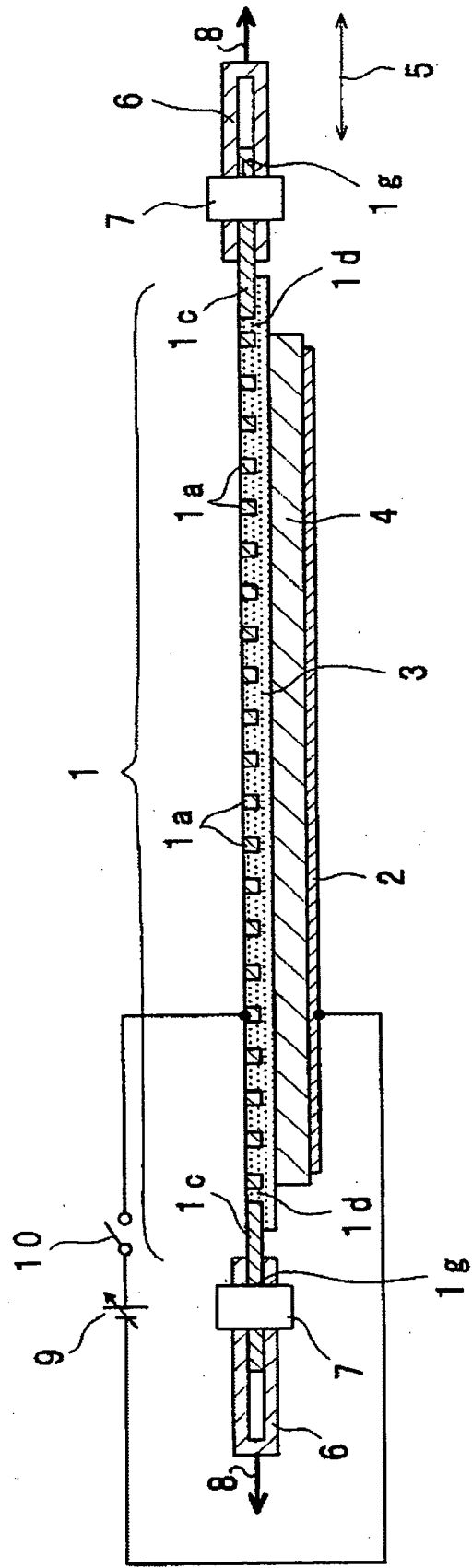


Fig. 1C

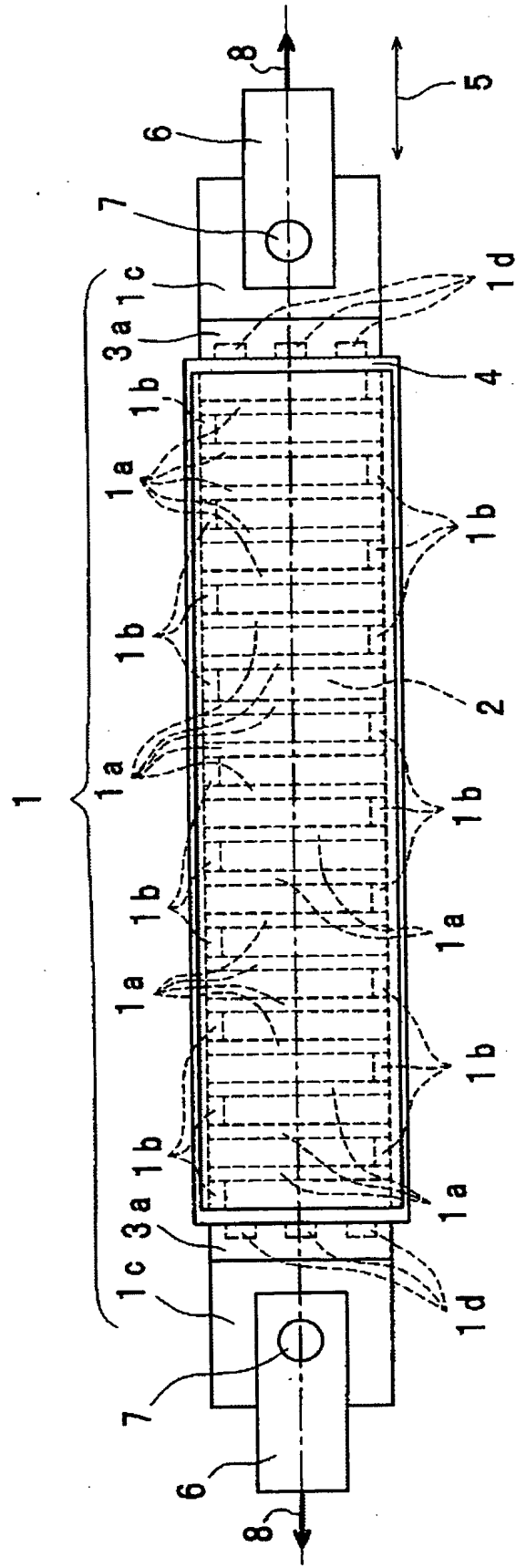


Fig. 1D

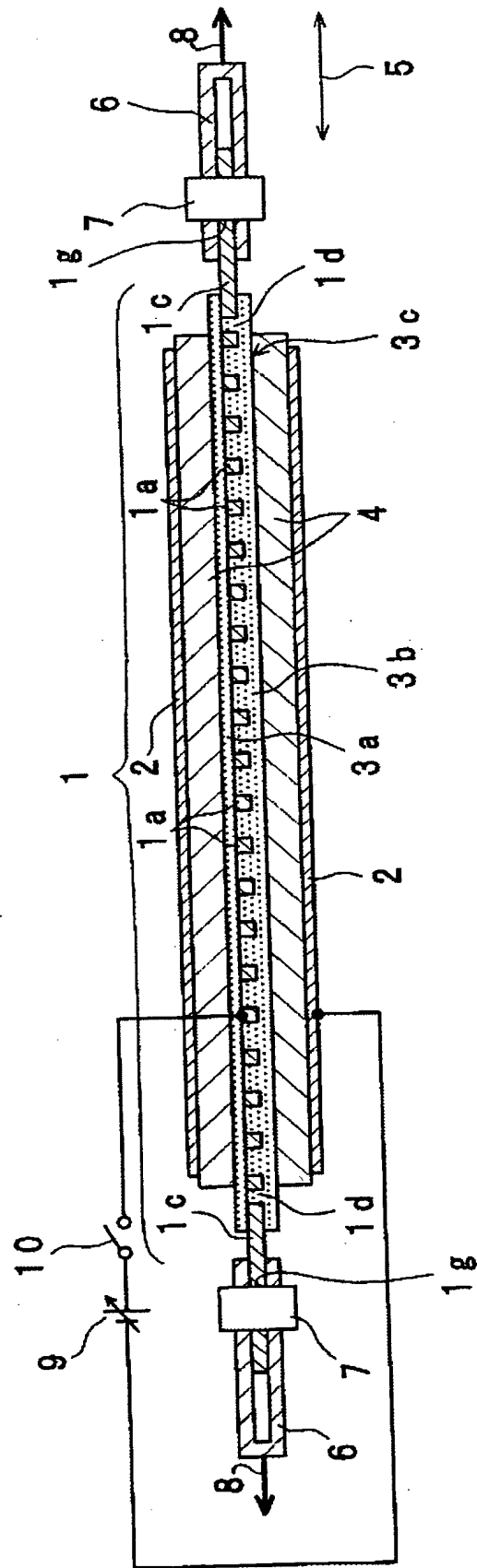


Fig. 2A

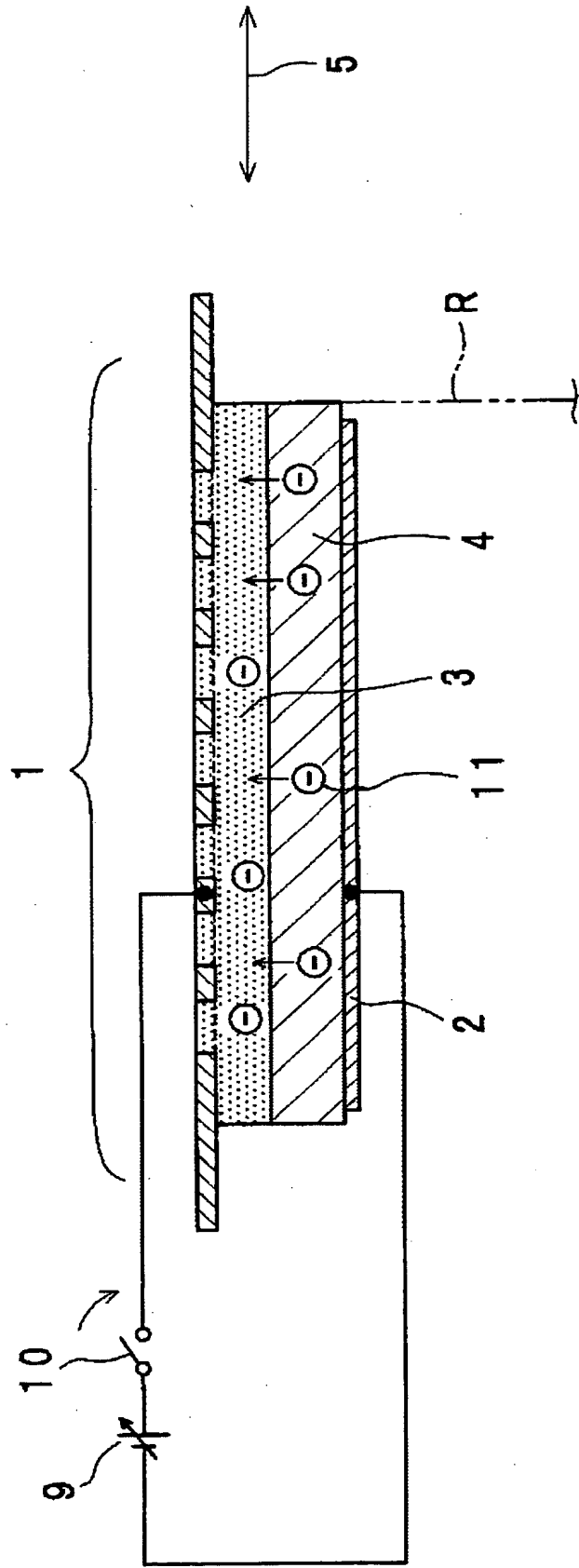


Fig. 2B

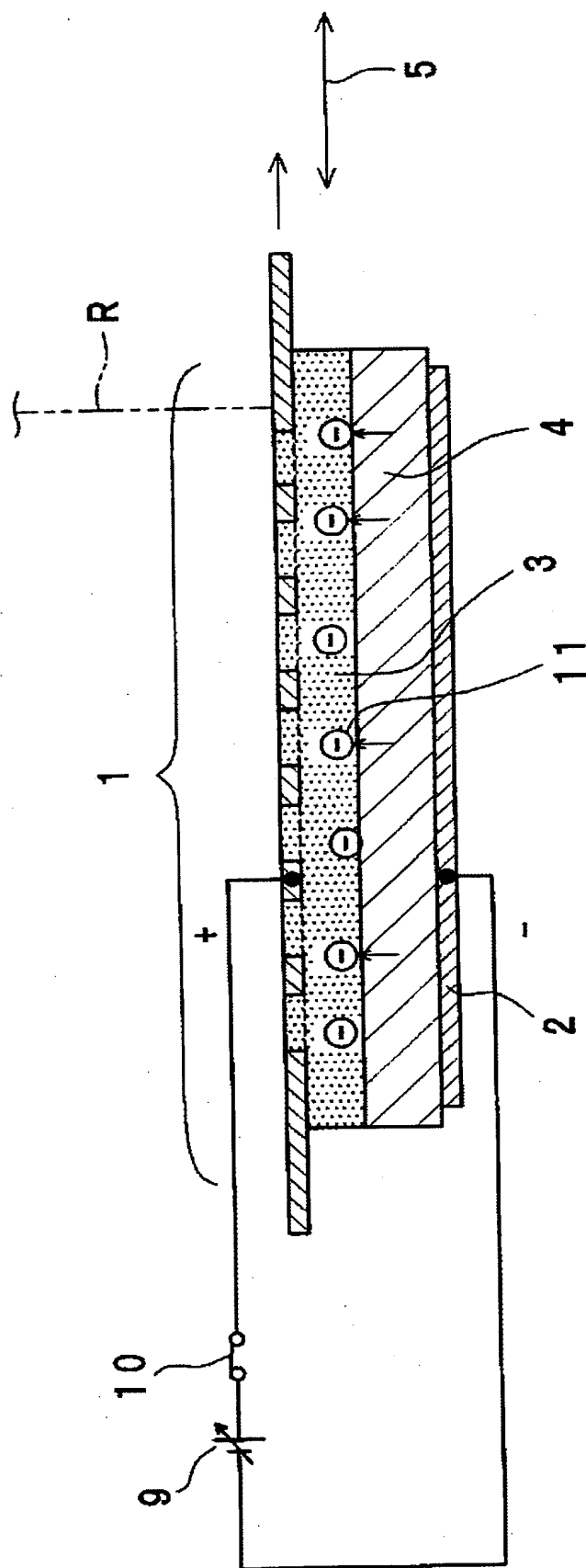


Fig. 2C

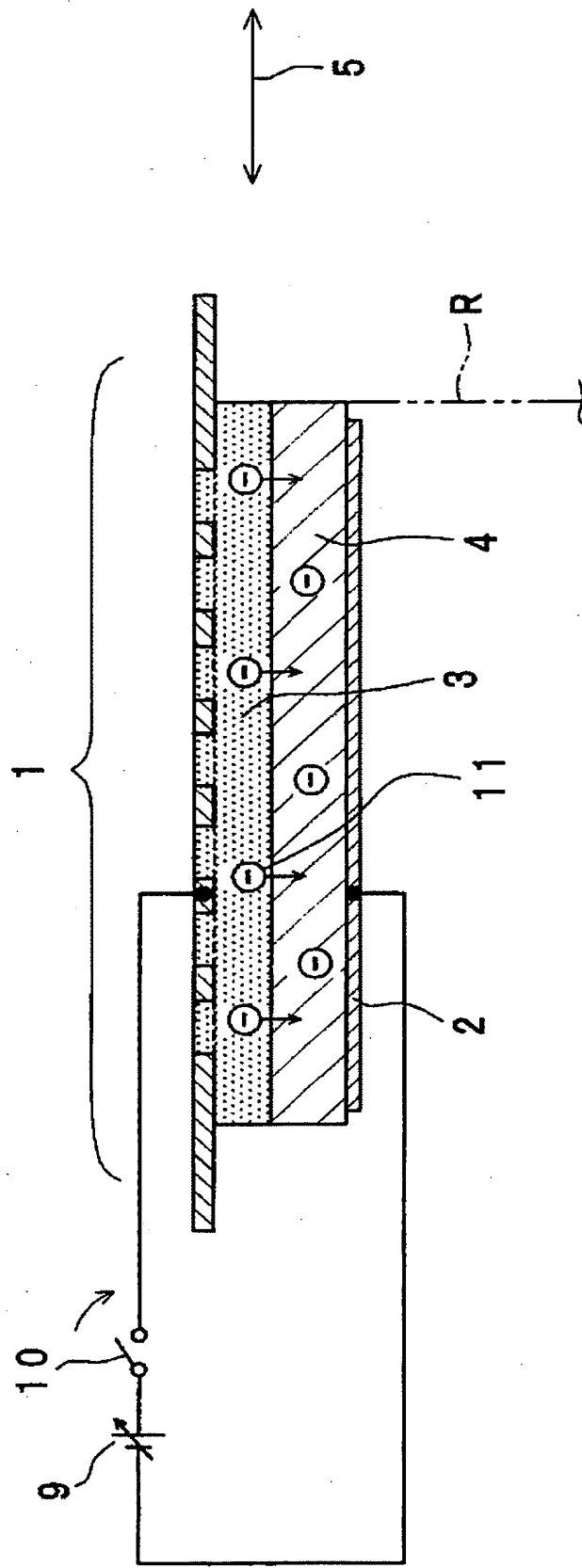


Fig. 2D

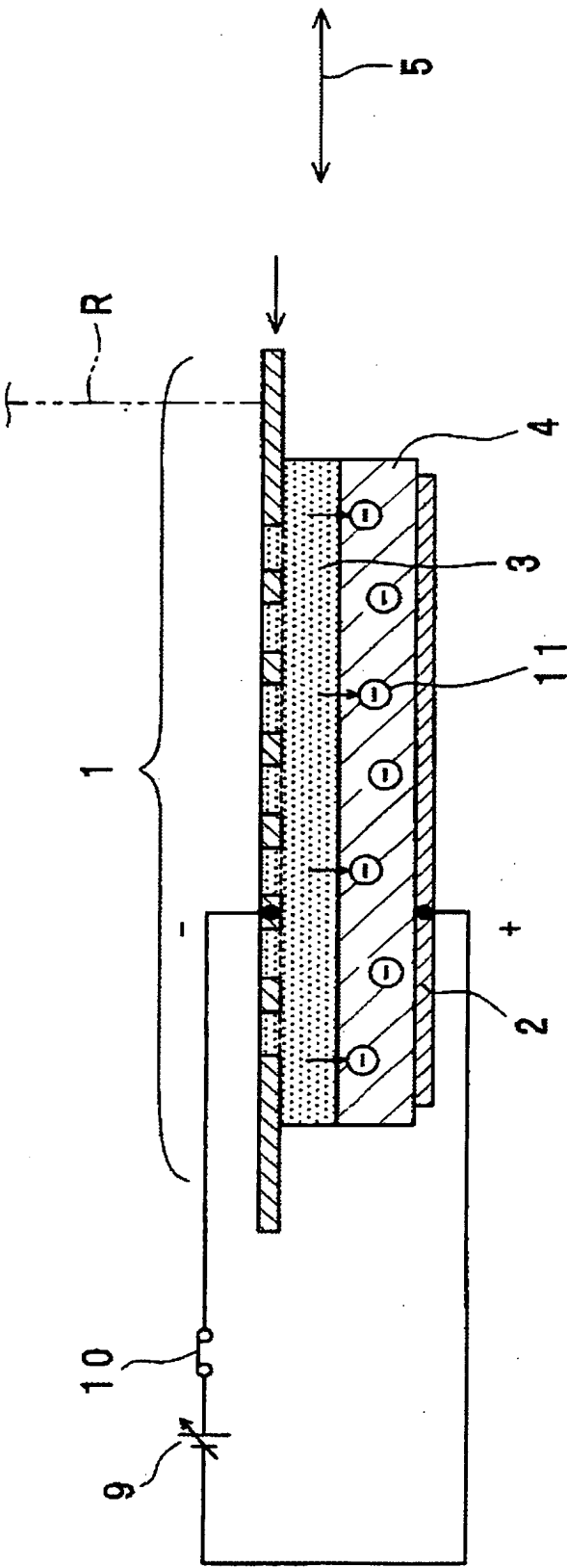




Fig.3A

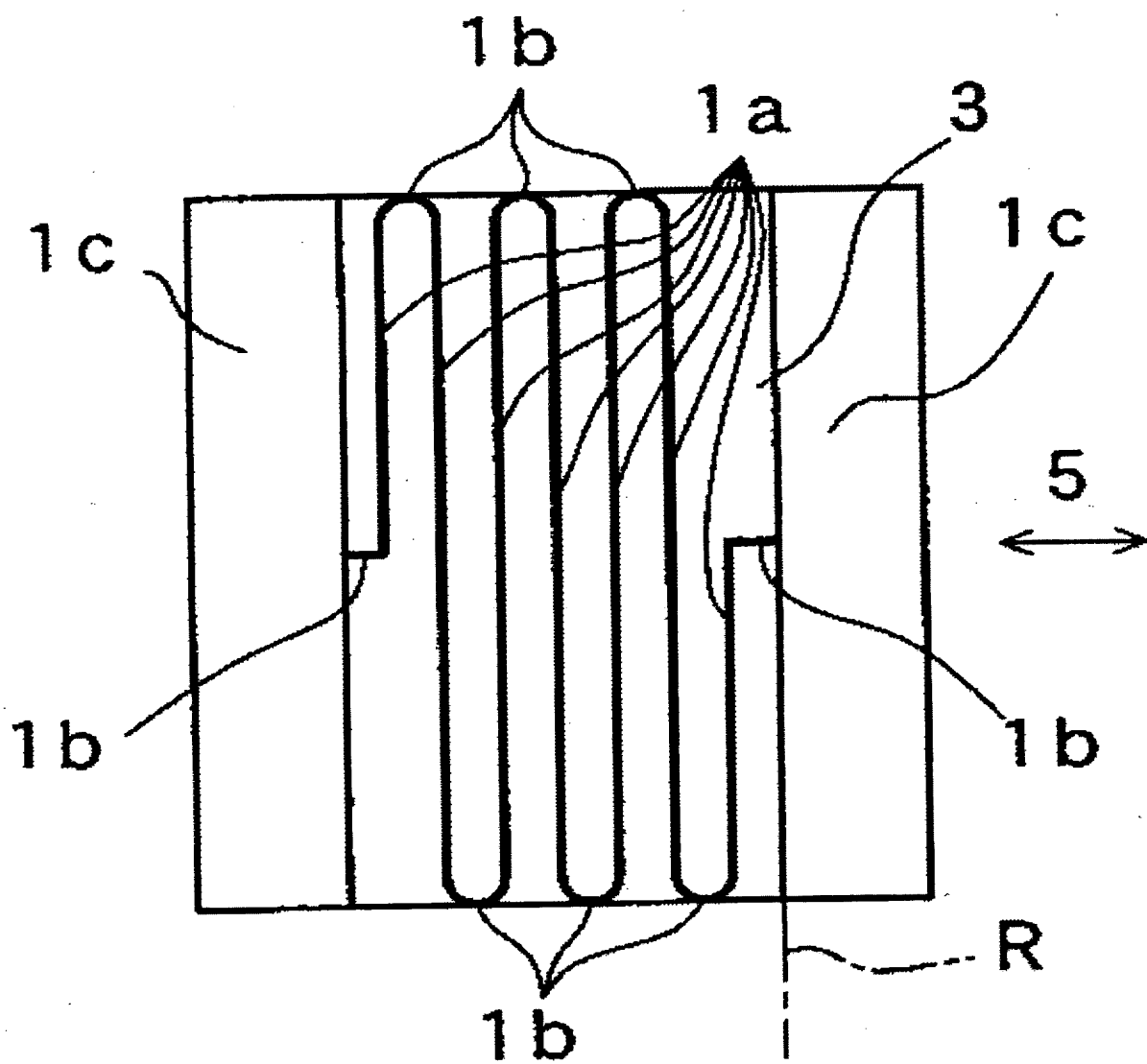


Fig.3B

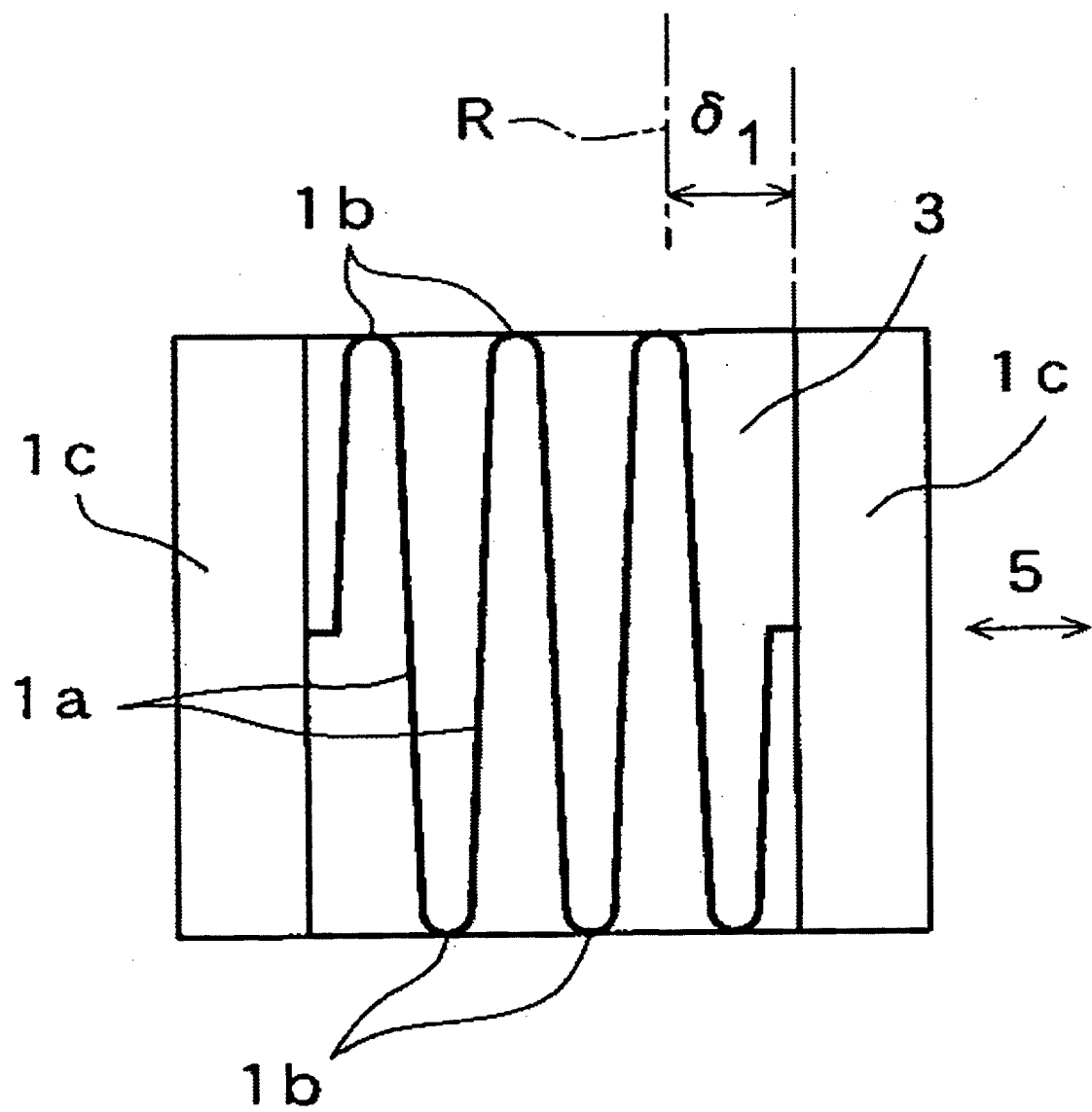


Fig.3C

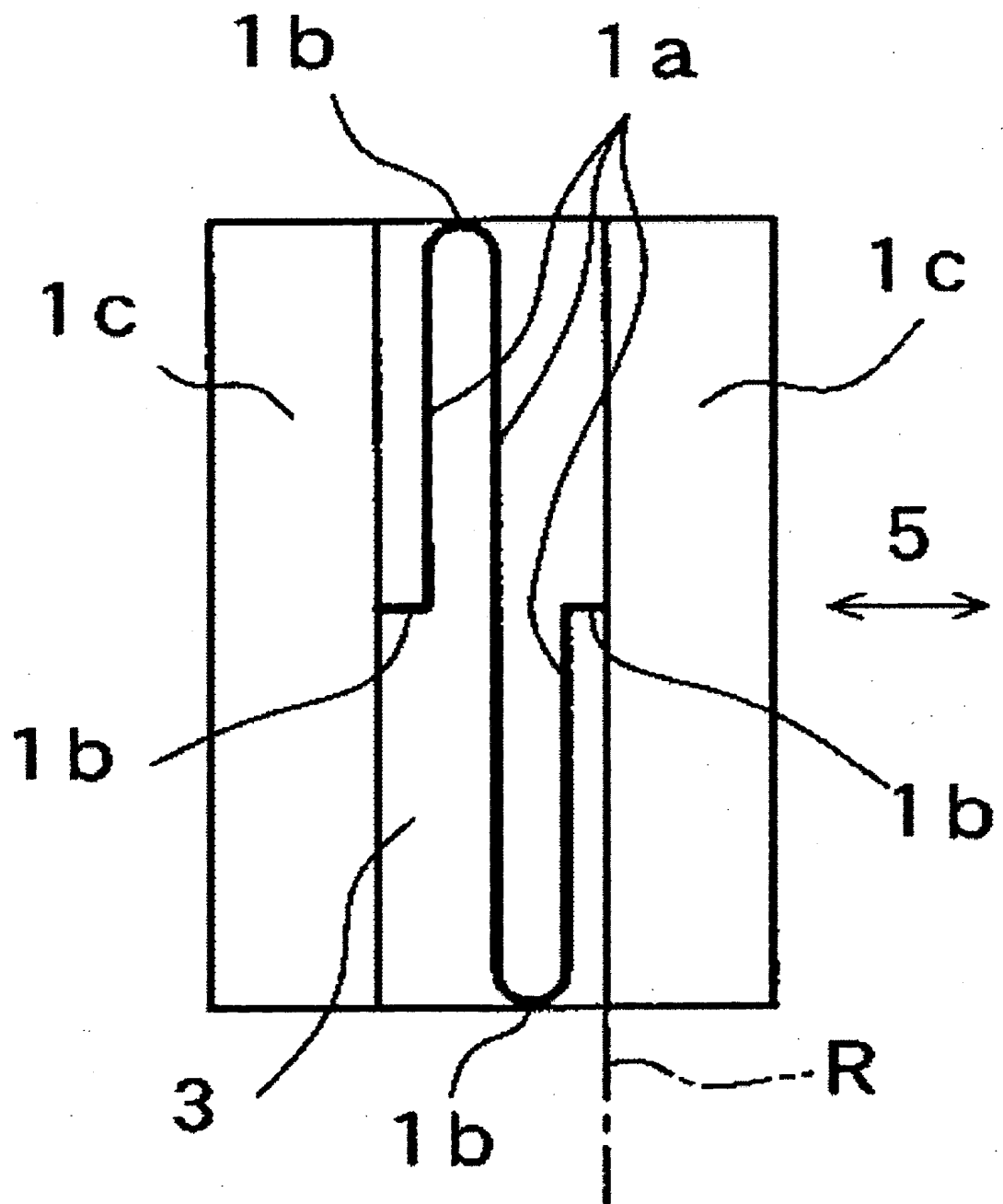
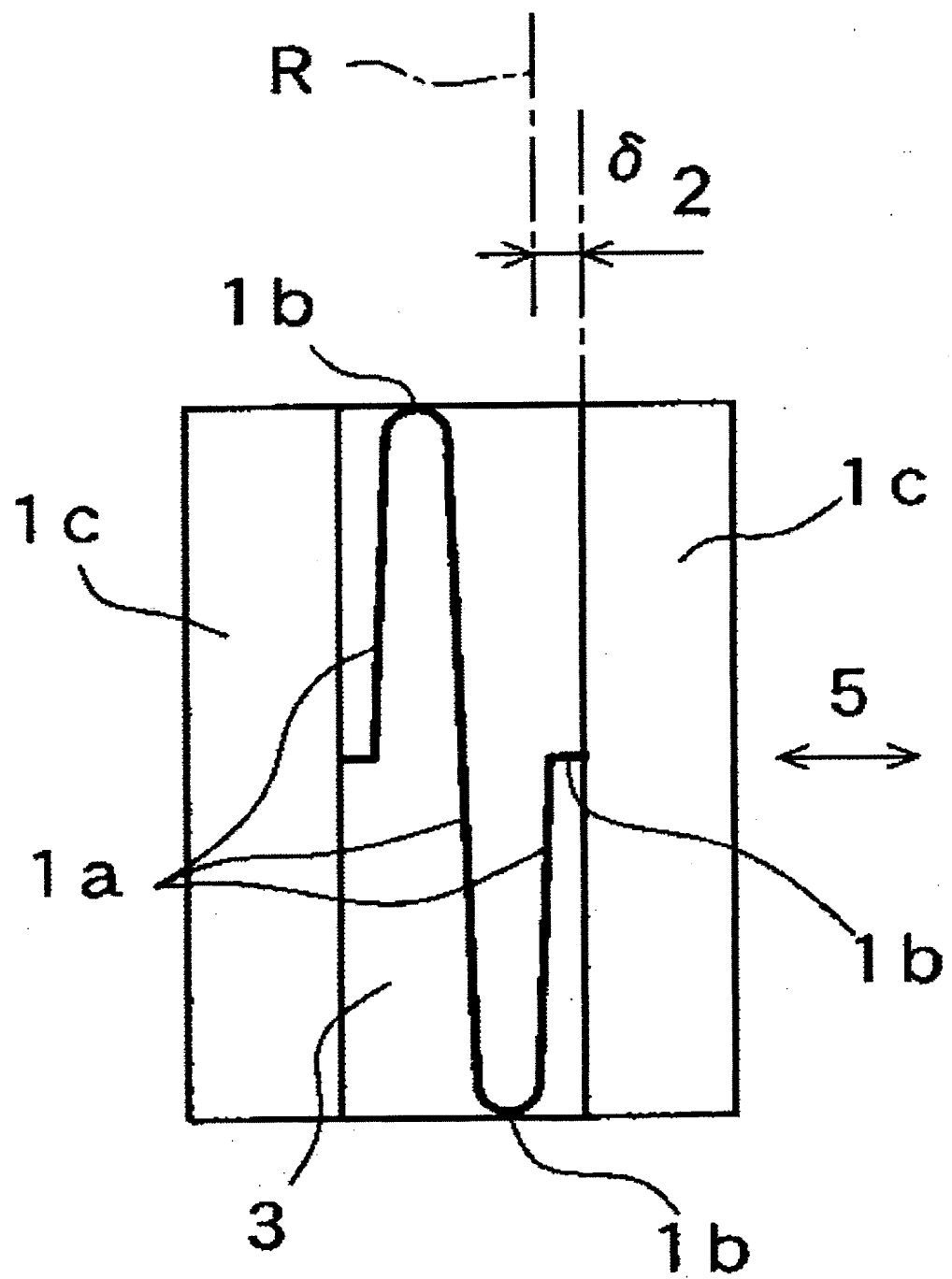
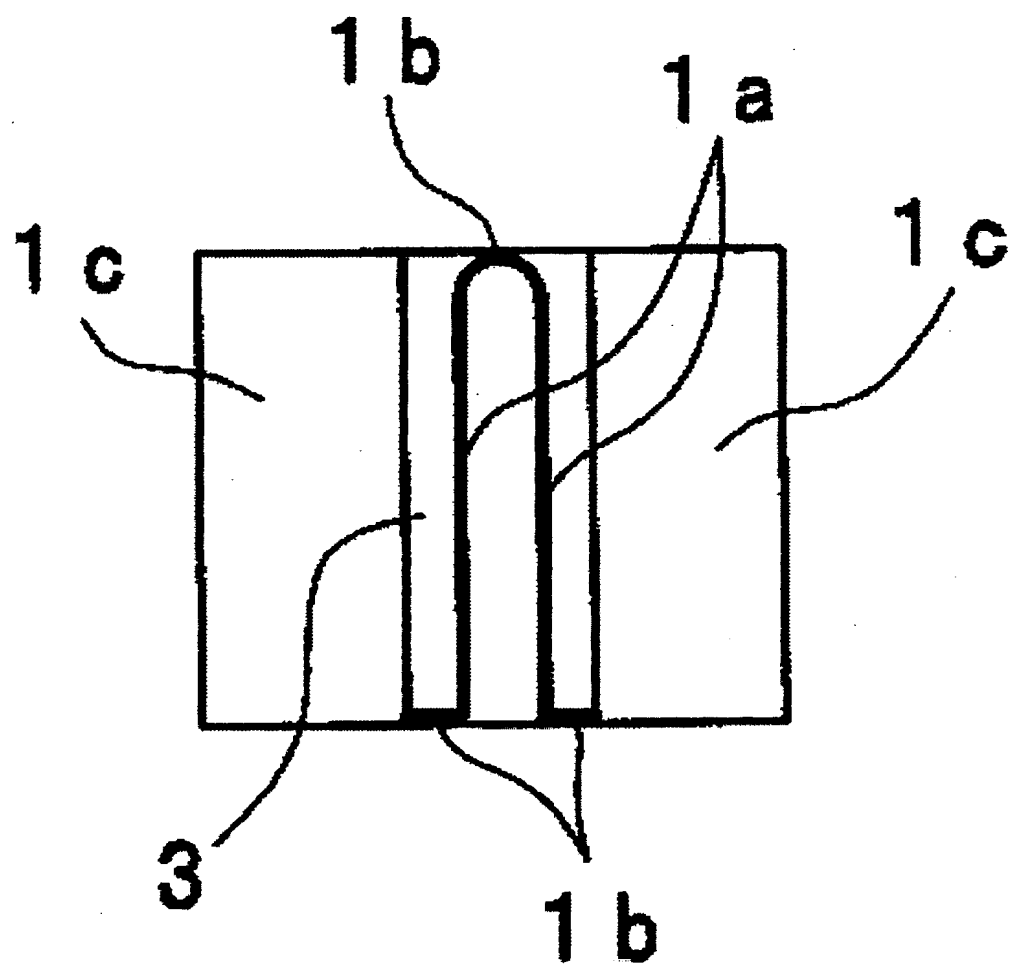


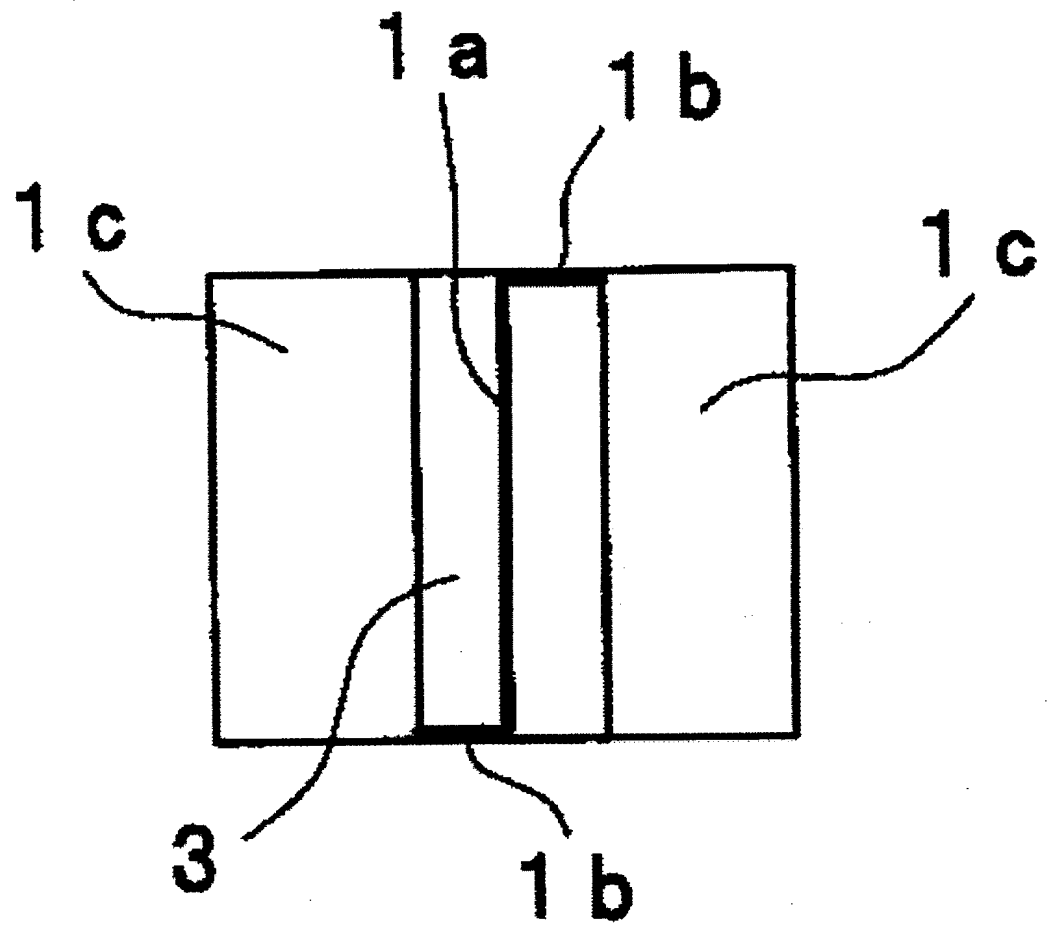
Fig. 3D



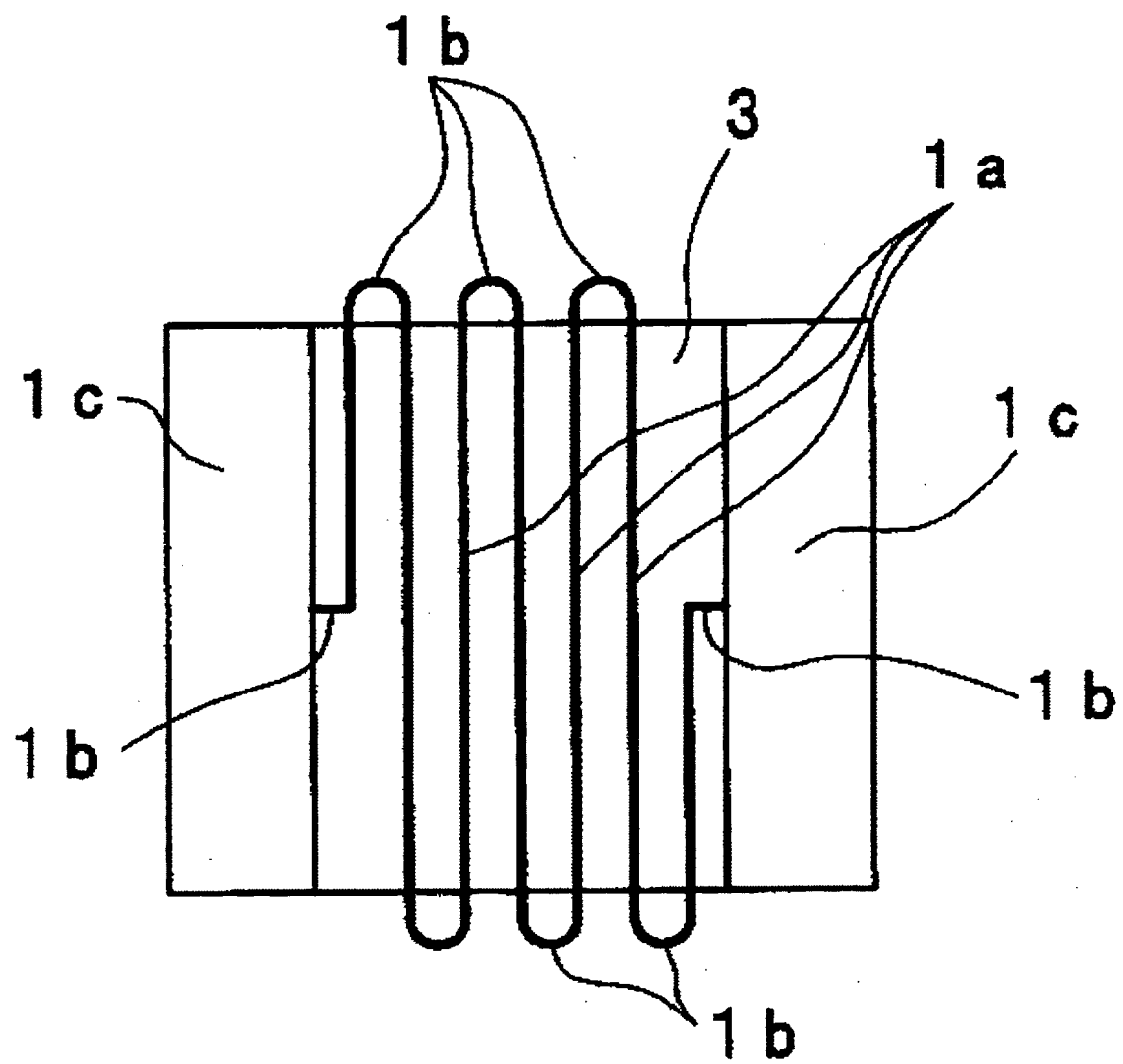
*Fig. 3E*



*Fig. 3F*



*Fig. 3G*



*Fig. 3H*

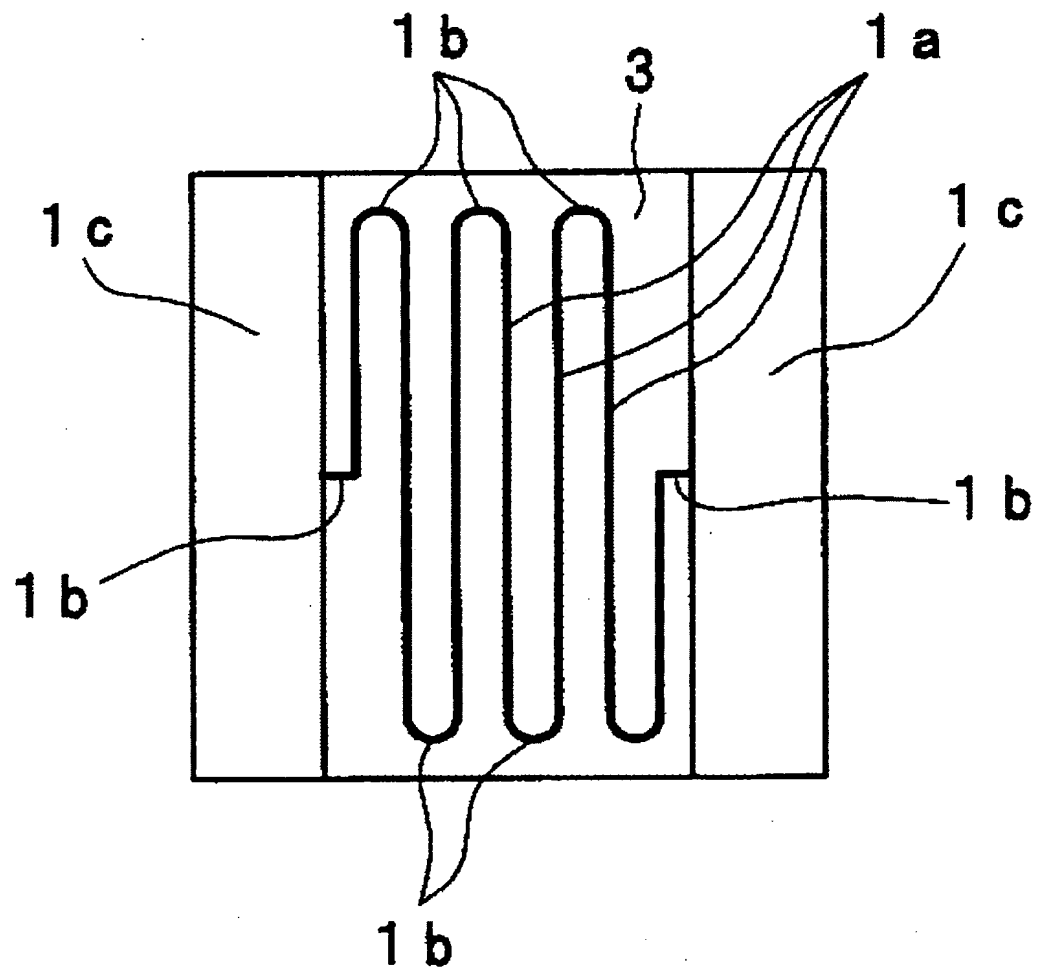
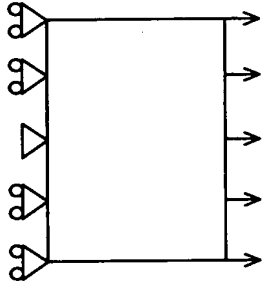
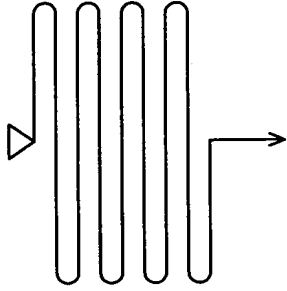
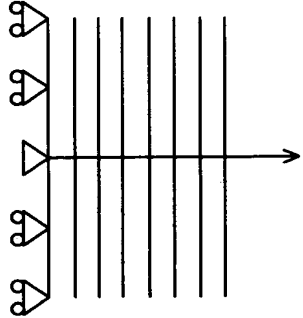
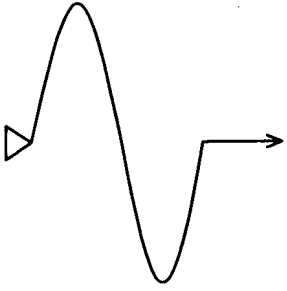
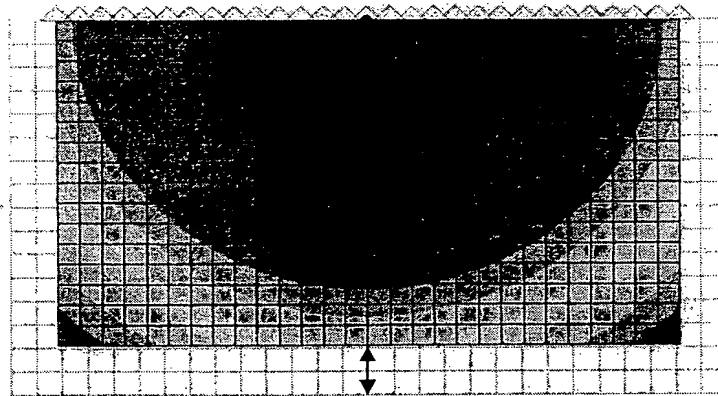




Fig. 4

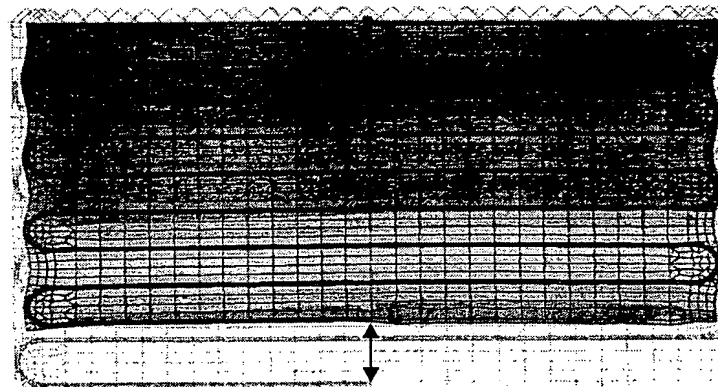
SHAPE OF ELECTRODE	(a) FLAT PLATE (SOLID SHAPE)	(b) FIRST EMBODIMENT	(c) CASE OF ALIGNING LINK PORTIONS IN LONGITUDINAL DIRECTION	(d) WAVEFORM
ELECTRODE CONFIGURATION DIAGRAMS				
ASSUMED VALUE FOR CALCULATION MATERIAL : SUS304 ELASTIC MODULUS : $E = 0.072 \times 10^{12} \text{ N/m}^2$ PLATE THICKNESS : 0.010mm	SIZE WIDTH : 14mm, LENGTH : 8mm LOAD (DISTRIBUTED LOAD) : TOTAL LOAD = 1mN	SIZE TOTAL WIDTH : 14mm, TOTAL LENGTH : 8mm, LINE WIDTH : 0.1mm, Pitch : 1mm, LOAD (CONCENTRATED LOAD) : 1mN	SIZE TOTAL WIDTH : 14mm, TOTAL LENGTH : 8mm, LINE WIDTH : 0.1mm, Pitch : 1mm, LOAD (CONCENTRATED LOAD) : 1mN	SIZE TOTAL WIDTH : 14mm, TOTAL LENGTH : 8mm, LINE WIDTH : 0.1mm, Pitch : 8mm, LOAD (CONCENTRATED LOAD) : 1mN
CALCULATION RESULT	DISPLACEMENT 0.308 $\mu\text{m}$	DISPLACEMENT 50.56mm	DISPLACEMENT 38.6 $\mu\text{m}$	DISPLACEMENT 3.31mm
RIGIDITY RATIO *RATIO IN RIGIDITY TO FLAT PLATE	1	$6.1 \times 10^{-6}$	$7.9 \times 10^{-3}$	$9.31 \times 10^{-5}$

*Fig.5A*



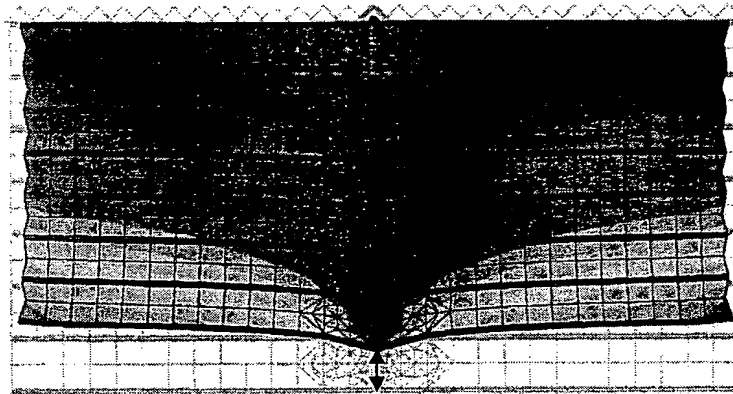
RELATIVE DISPLACEMENT : 1

*Fig.5B*



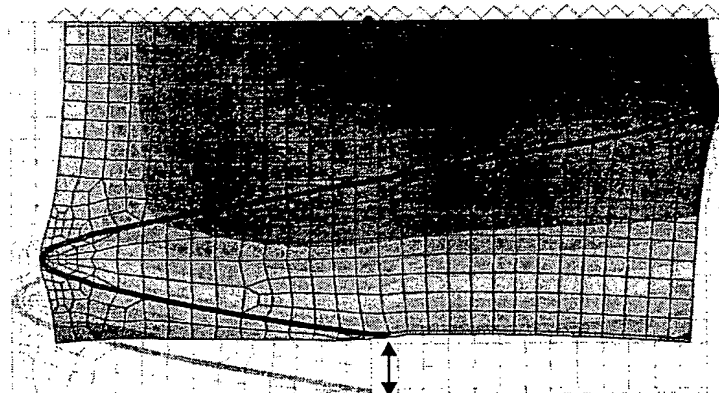
RELATIVE DISPLACEMENT : 1.16

*Fig.5C*



RELATIVE DISPLACEMENT : 0.62

*Fig.5D*



RELATIVE DISPLACEMENT : 1.09

Fig. 5E

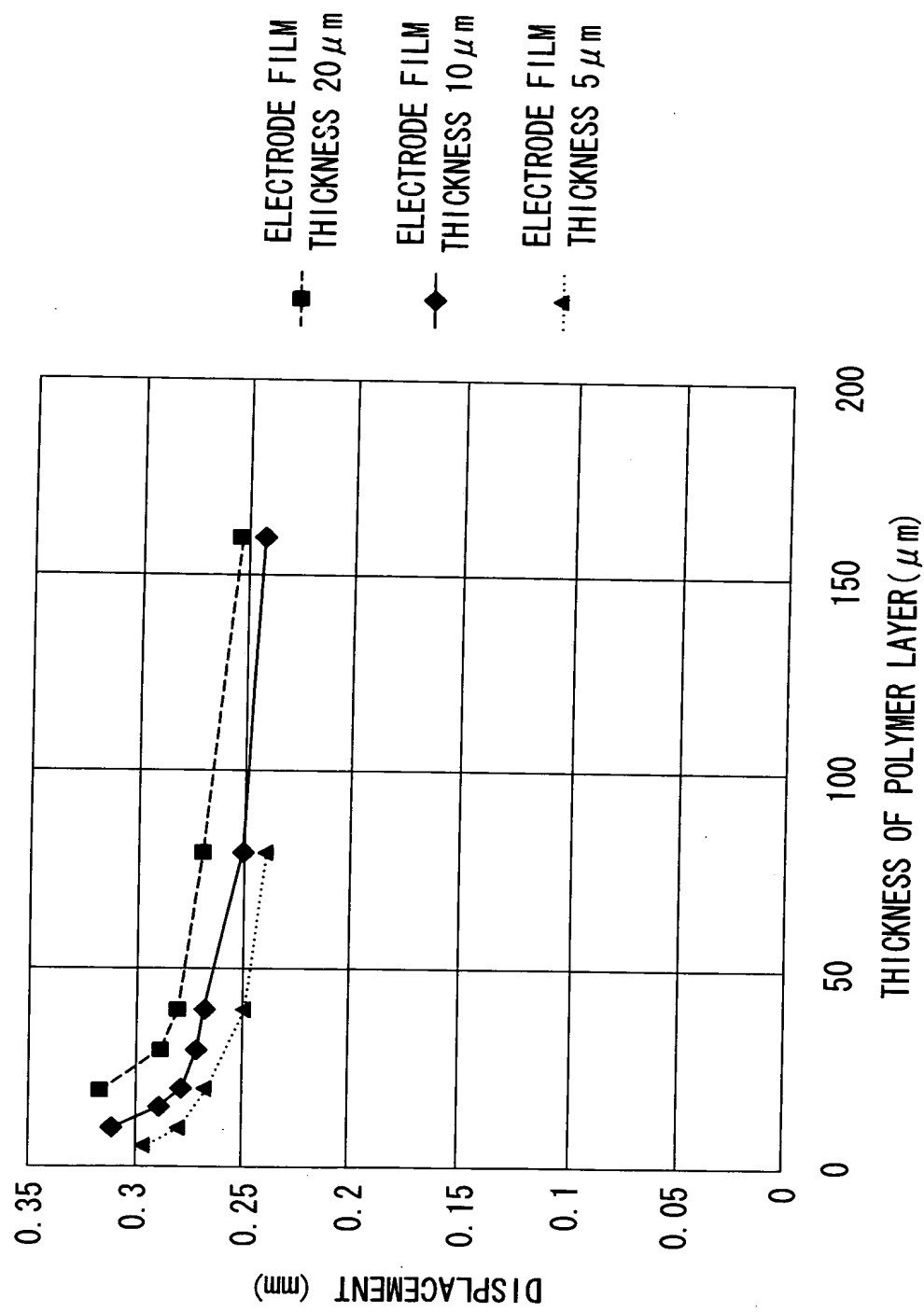


Fig. 5F

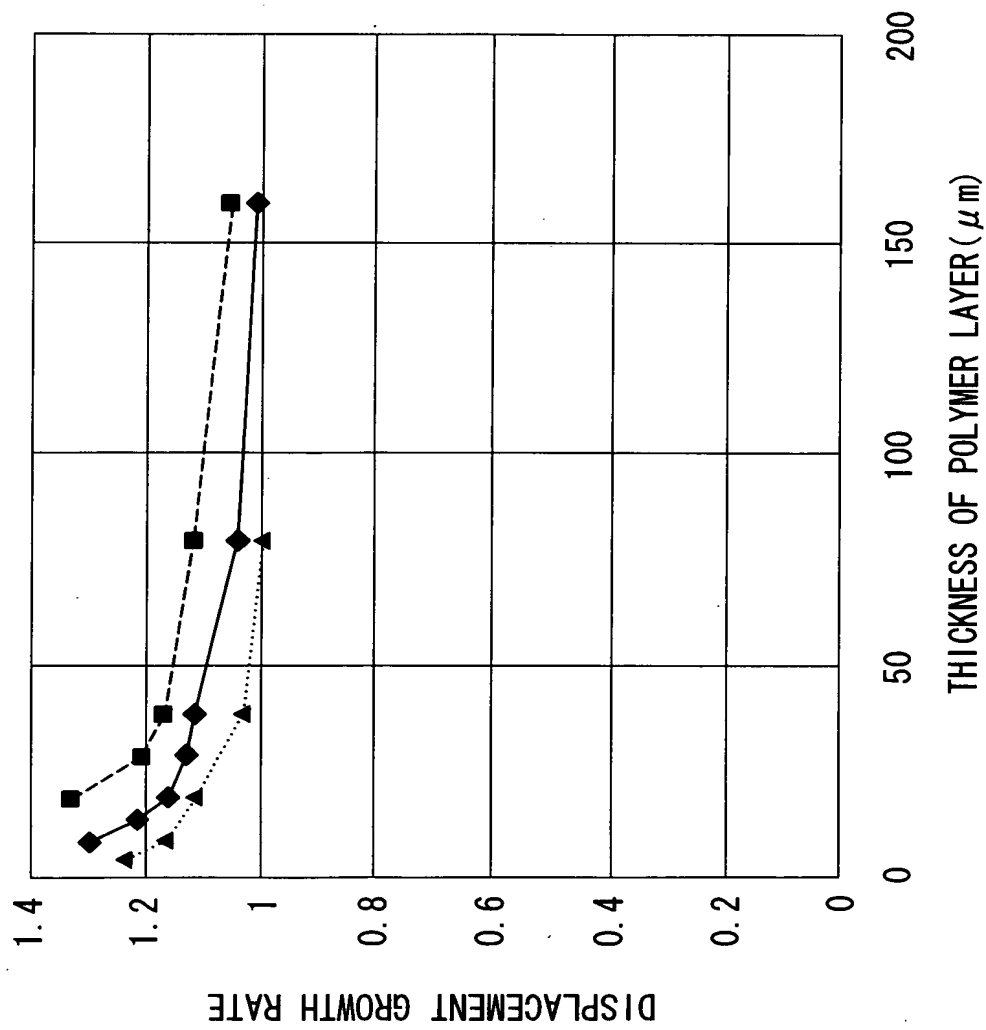


Fig. 5G

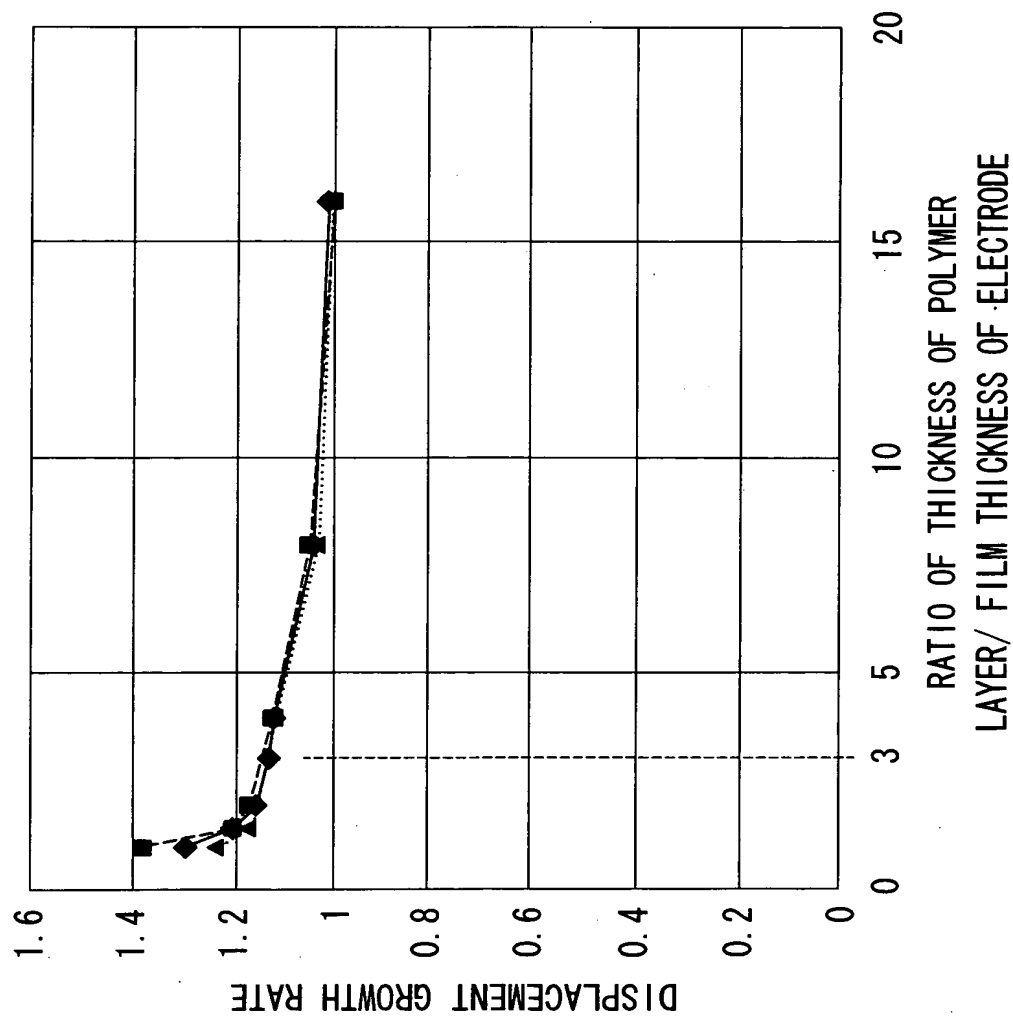


Fig. 6

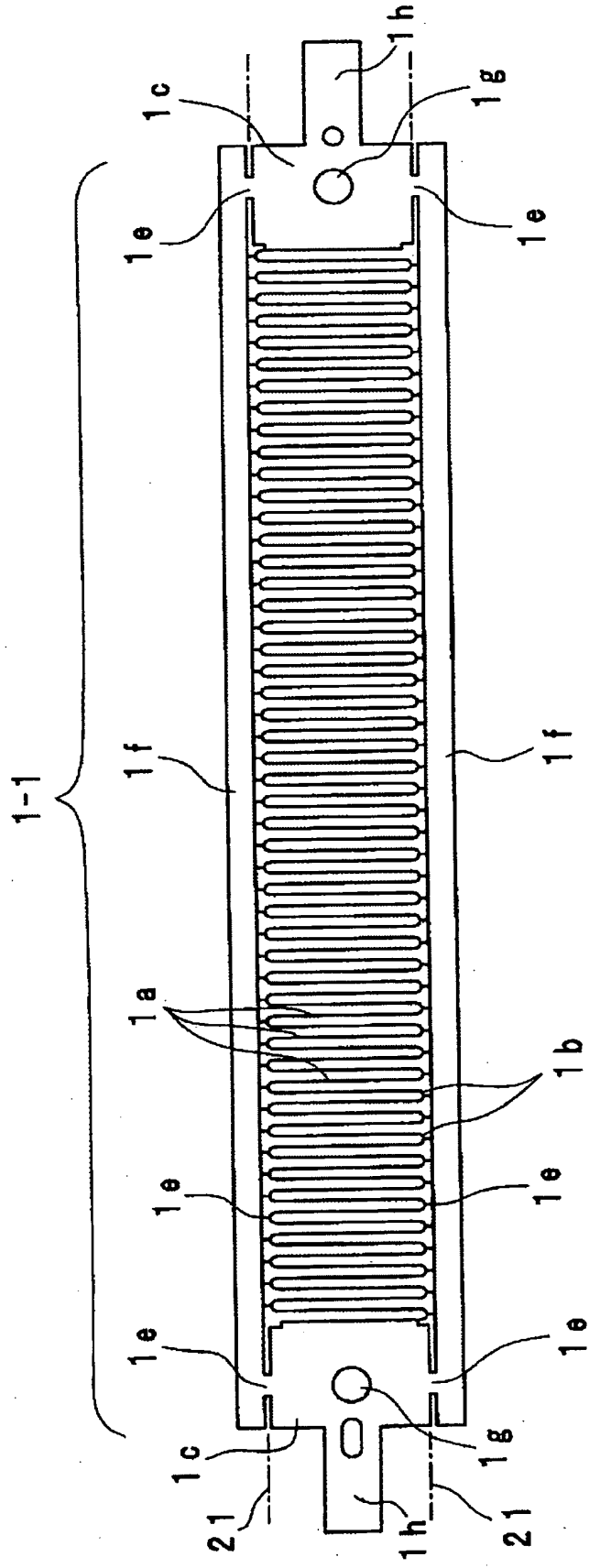


Fig. 7A

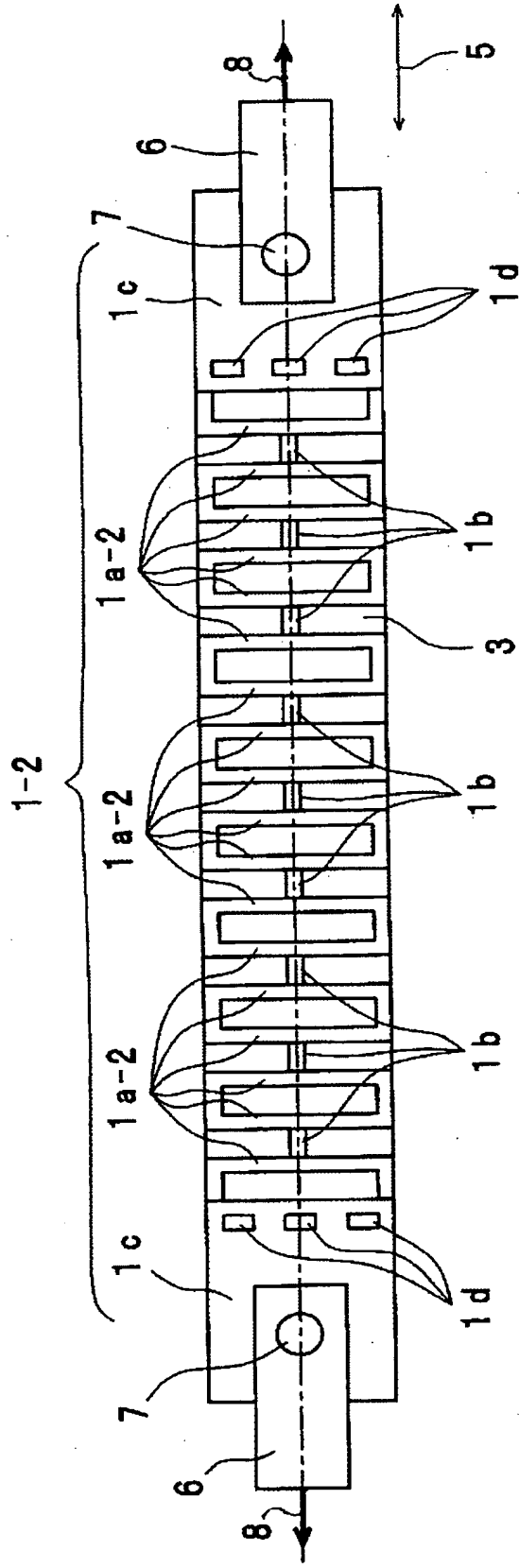




Fig. 7B

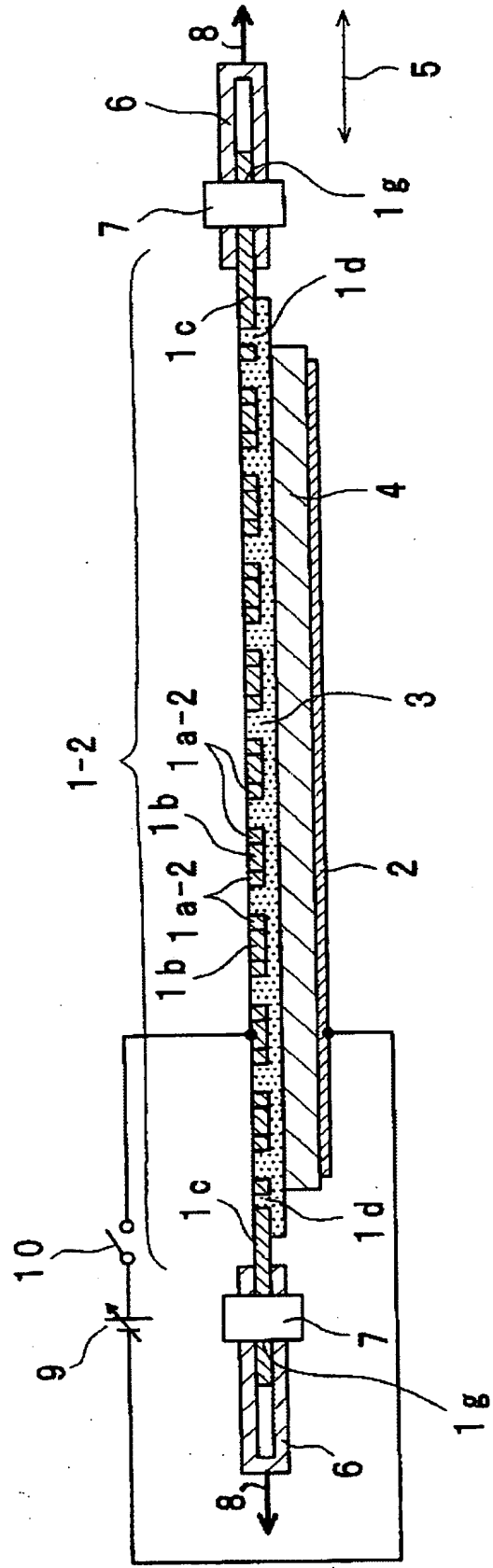


Fig. 8A

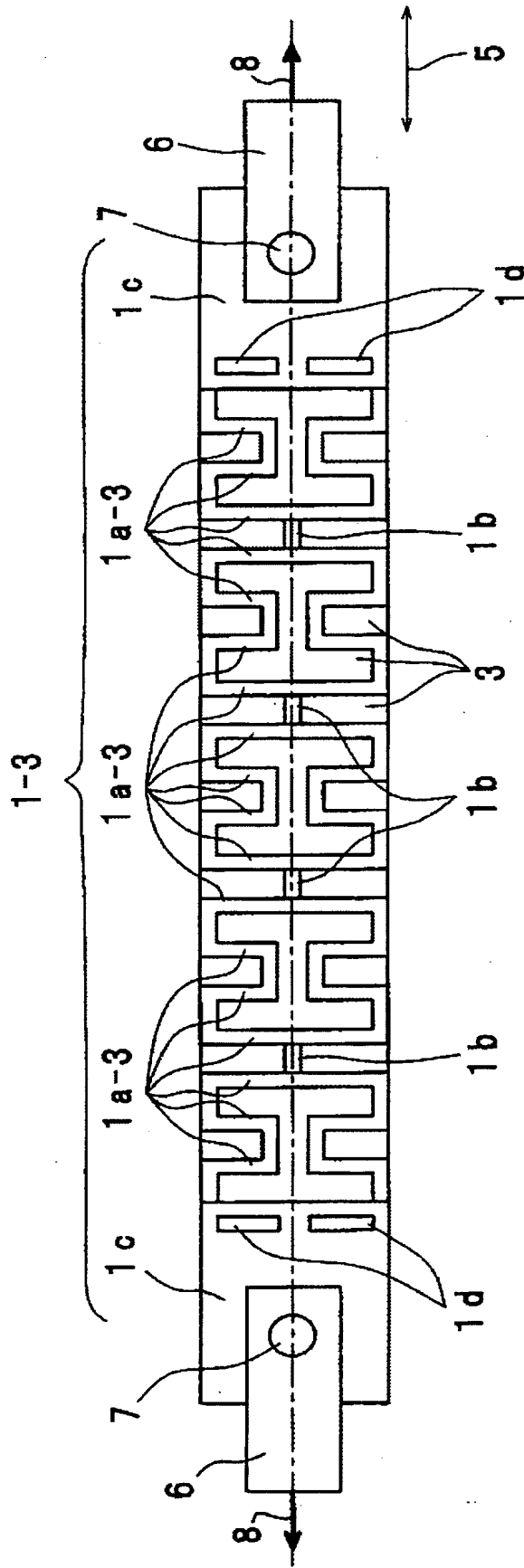


Fig. 8B

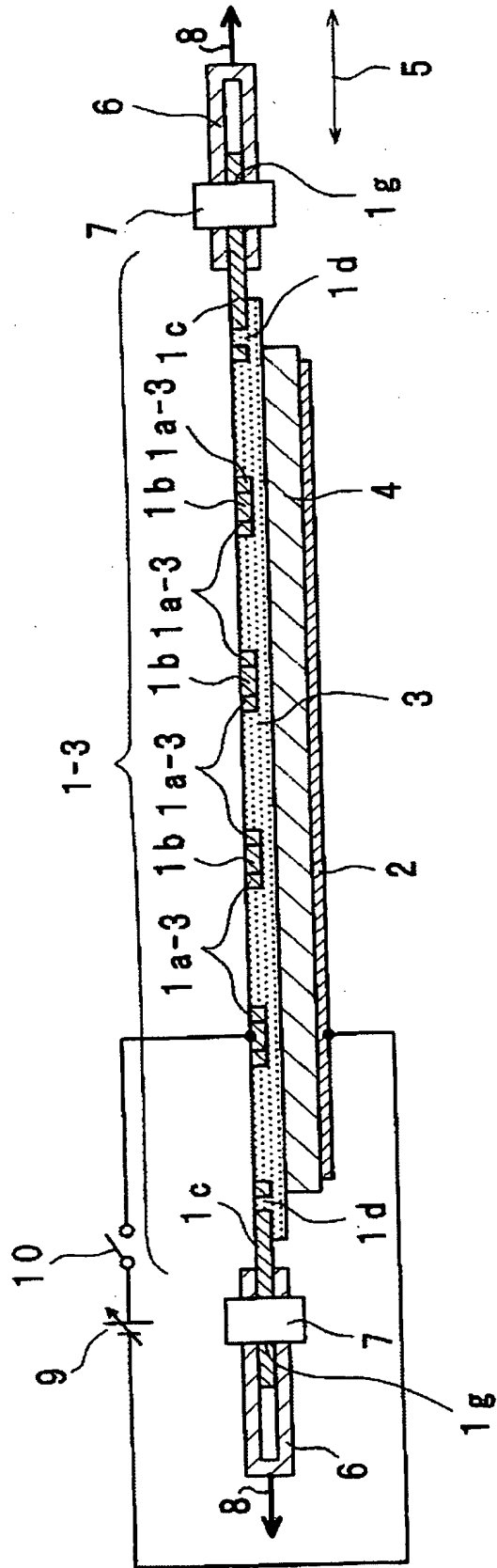


Fig. 9A

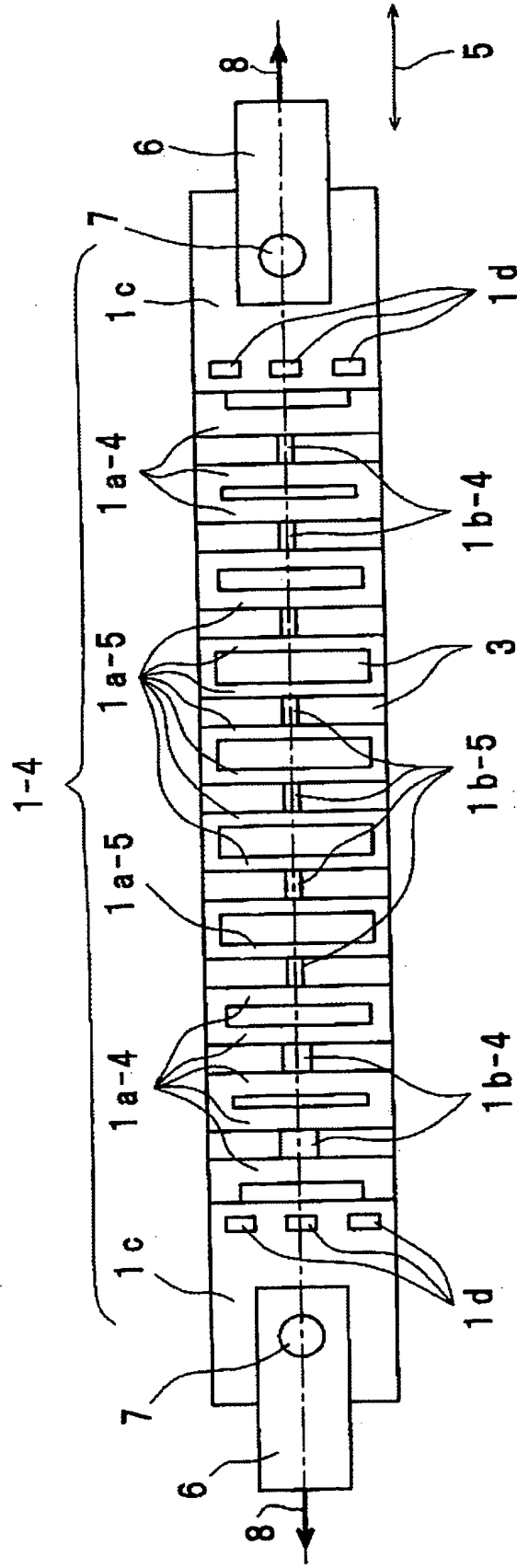


Fig. 9B

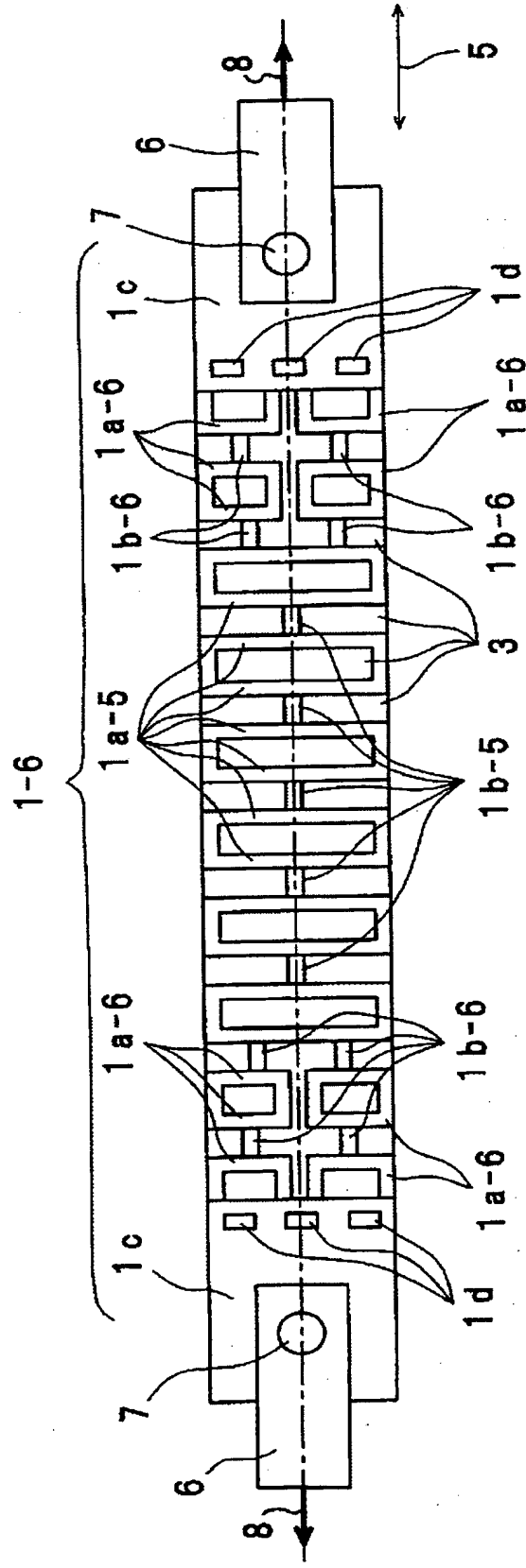


Fig. 10A

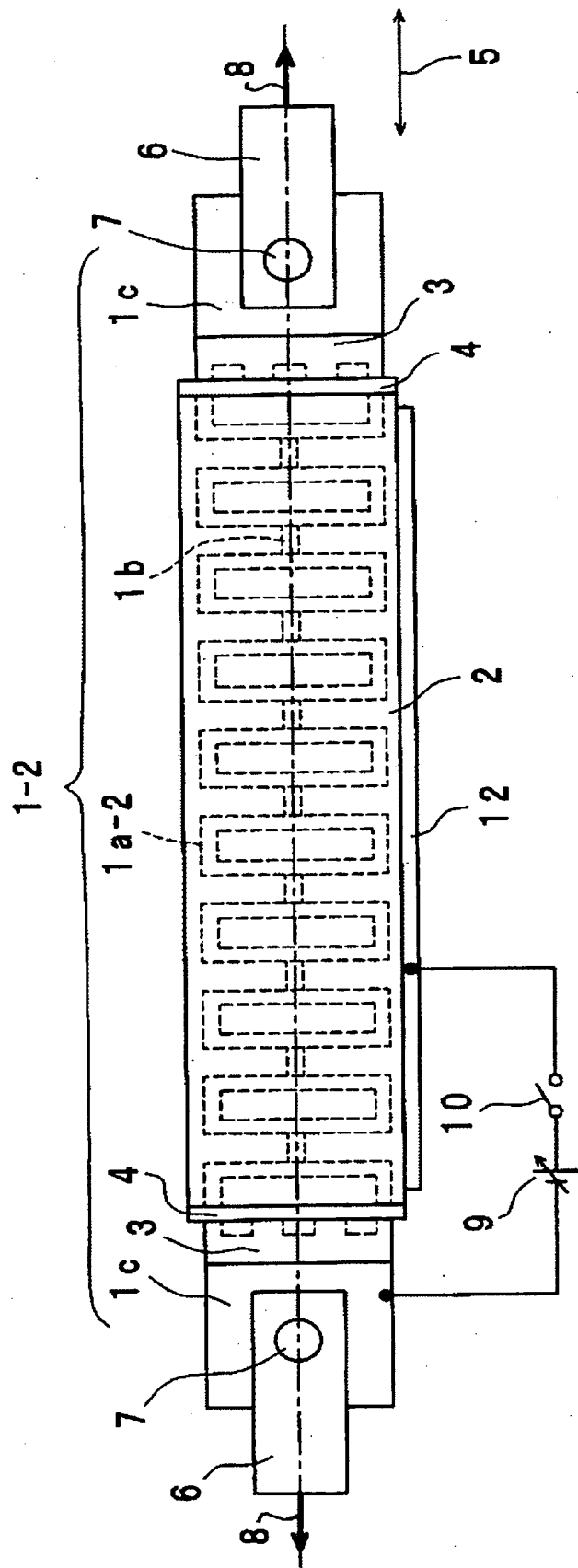


Fig. 10B

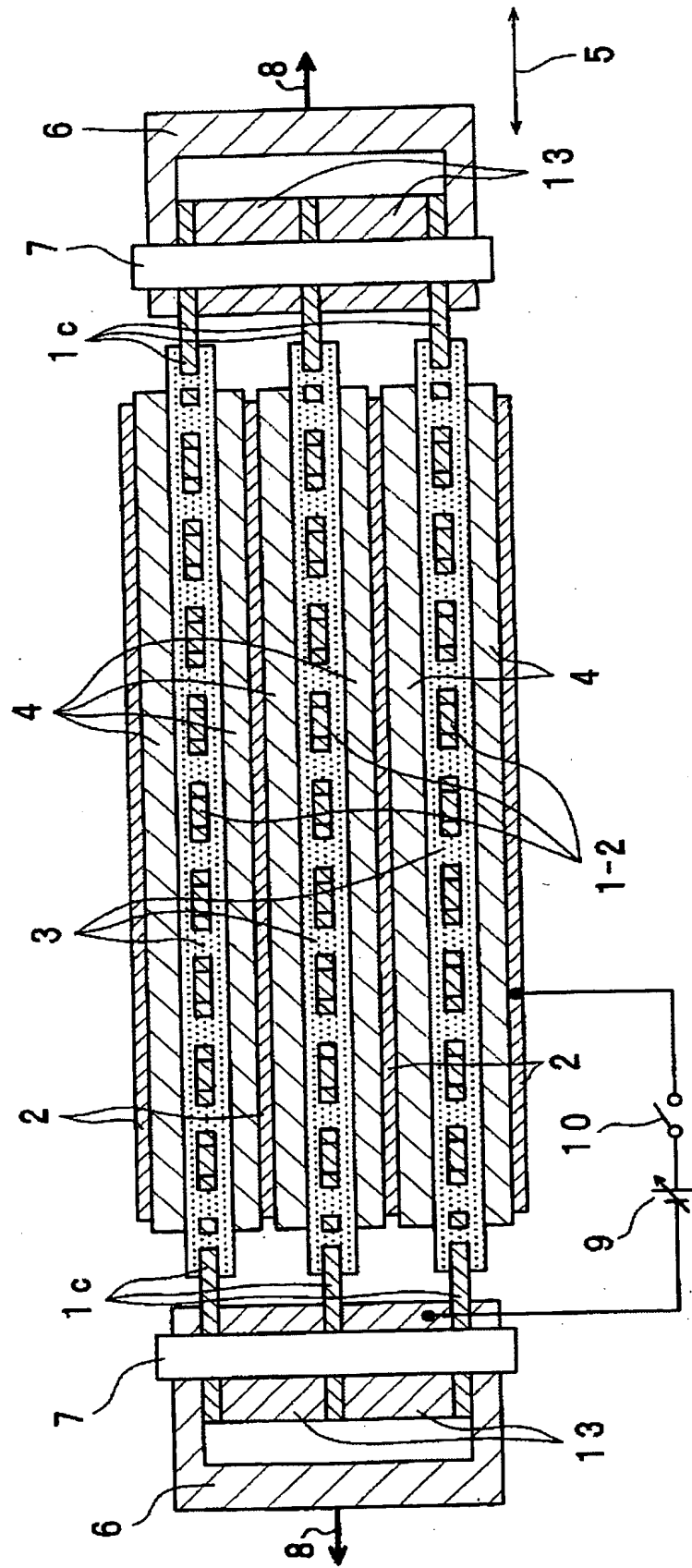


Fig. 11A

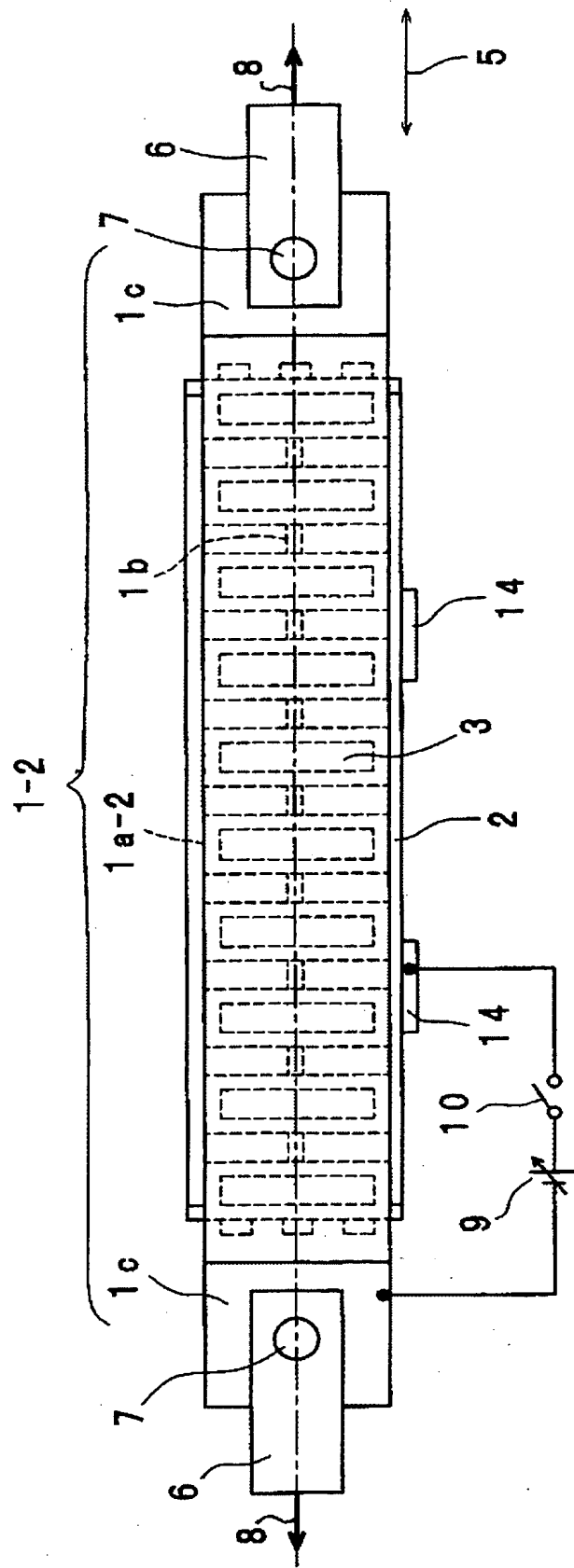




Fig. 1 1B

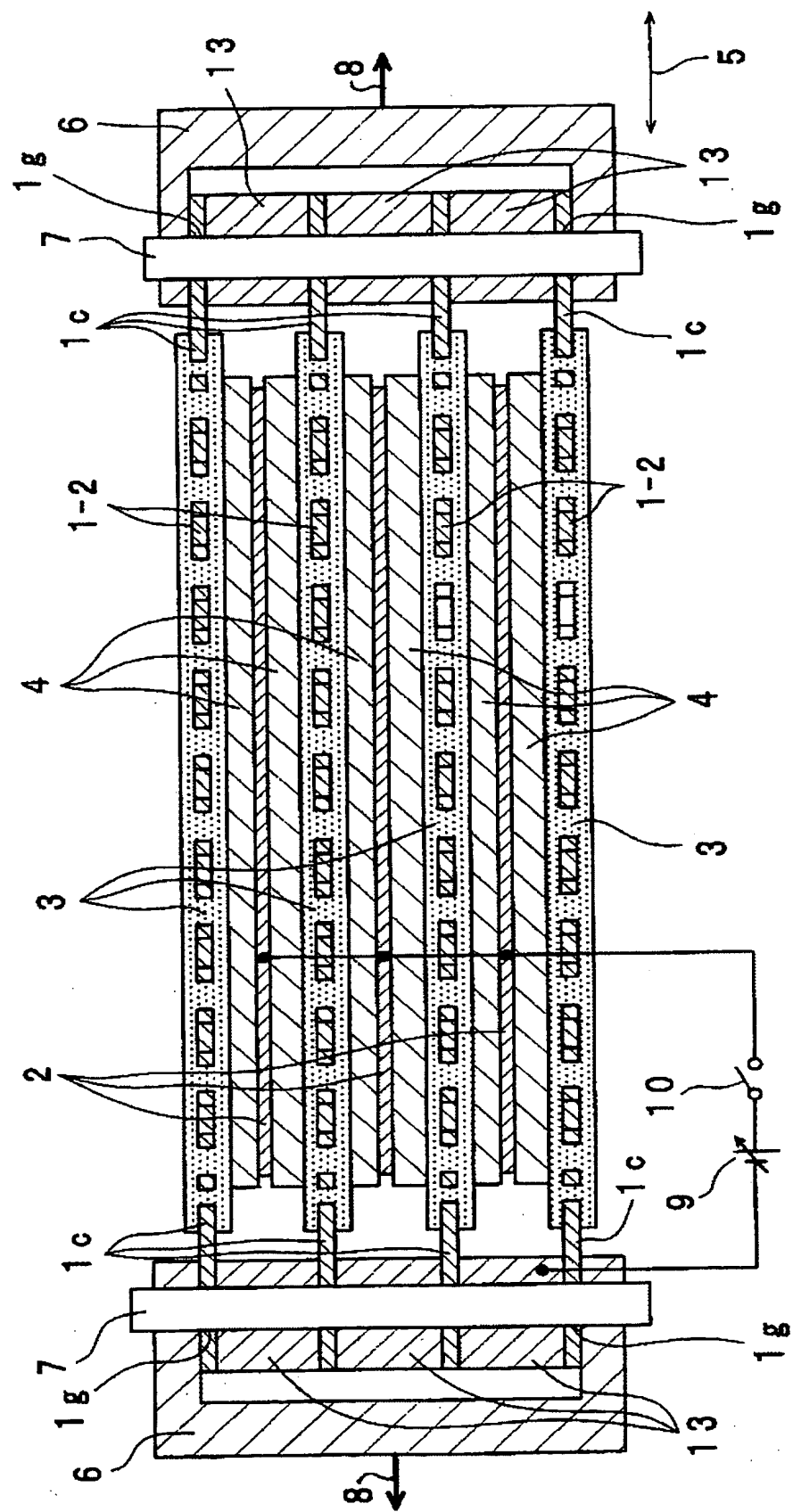


Fig. 1 2A

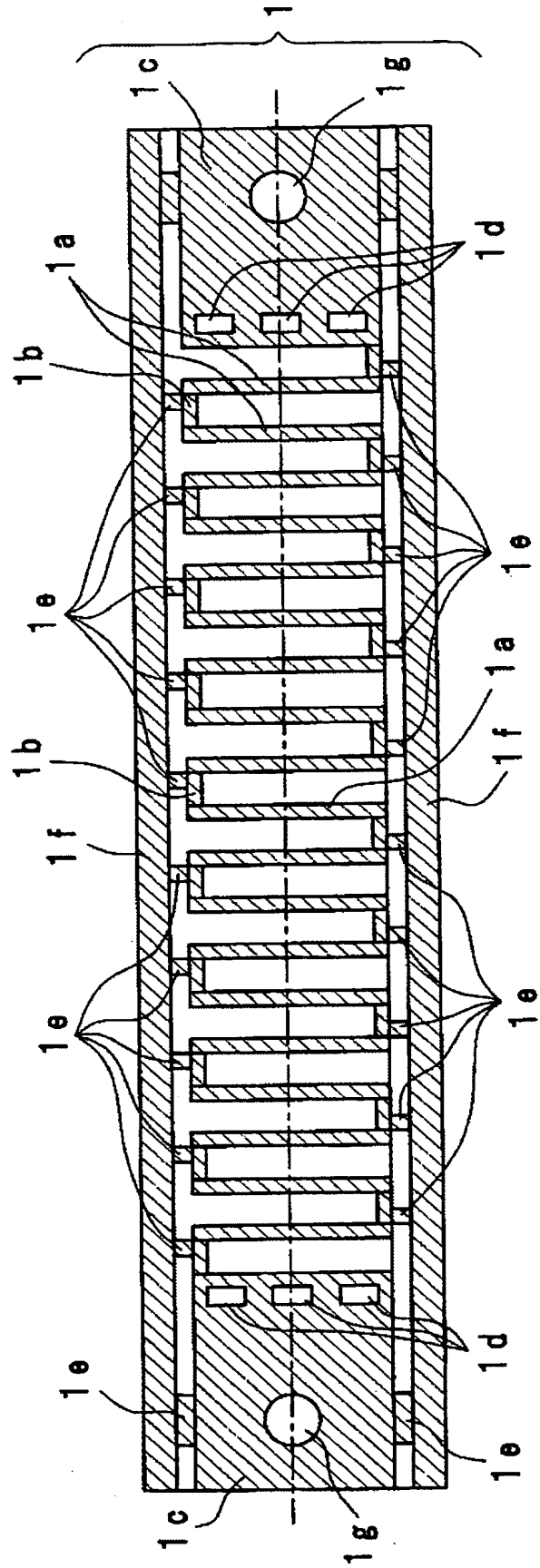


Fig. 1 2B

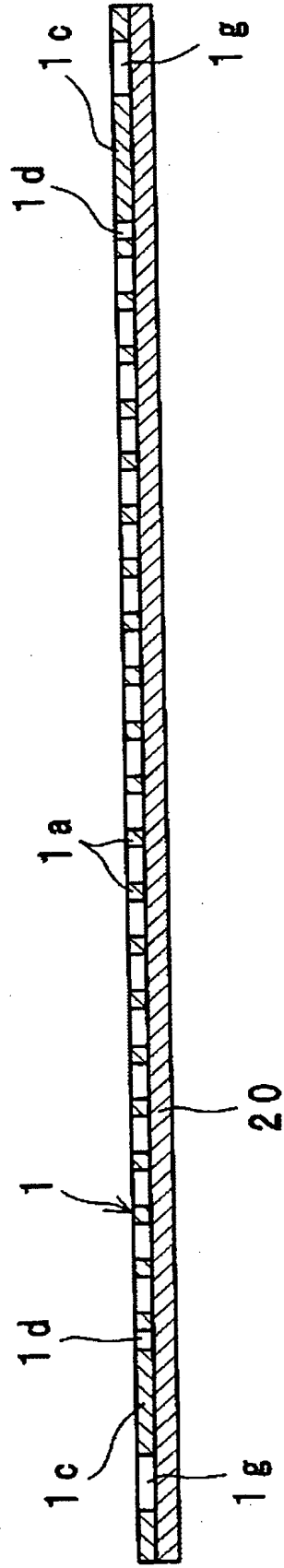




Fig. 12D

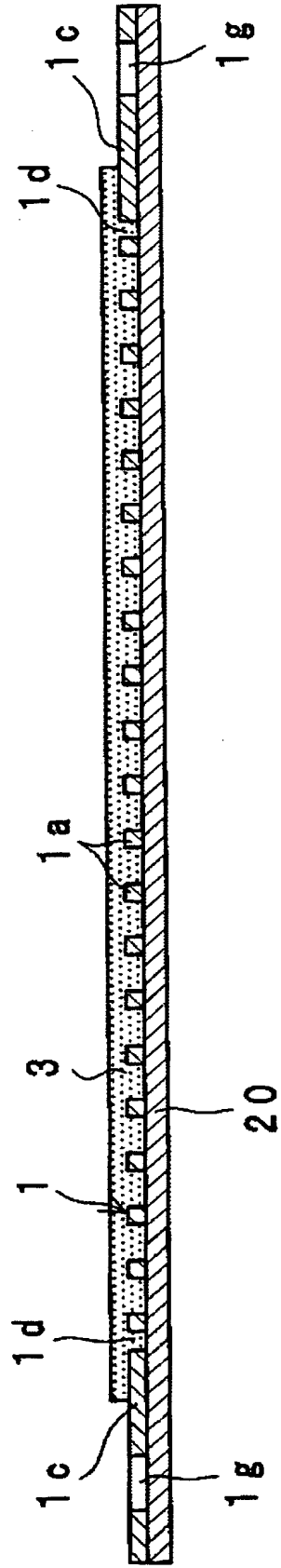


Fig.12E

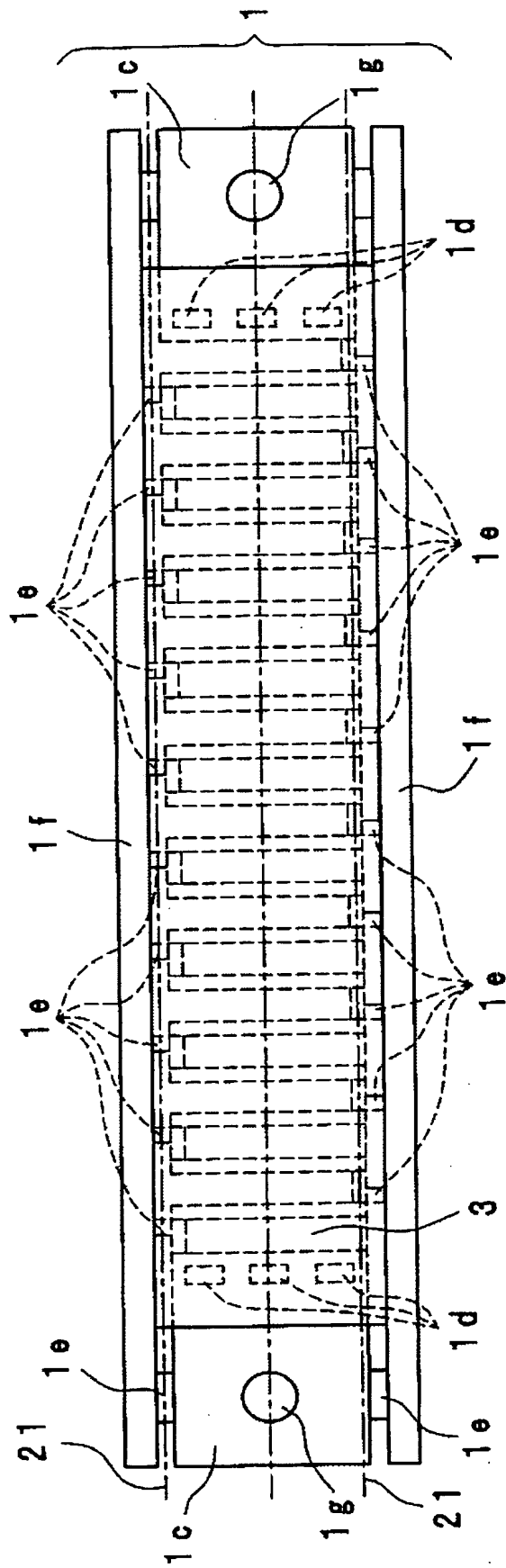


Fig. 12F

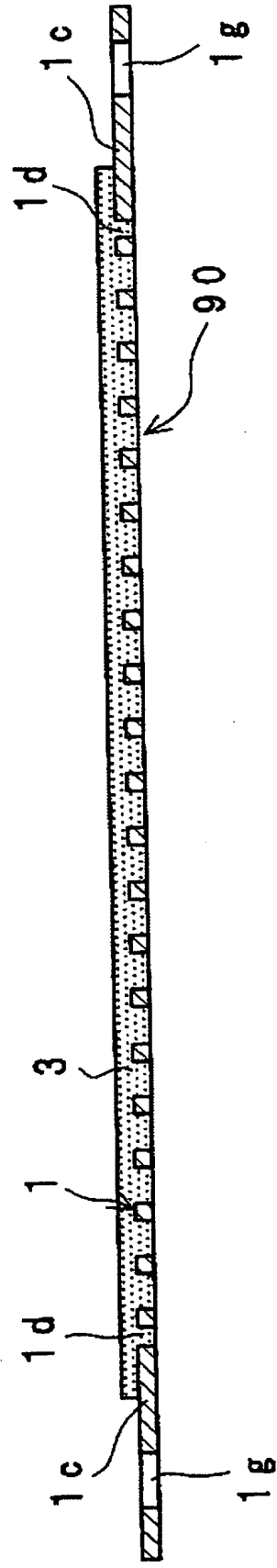


Fig. 12G

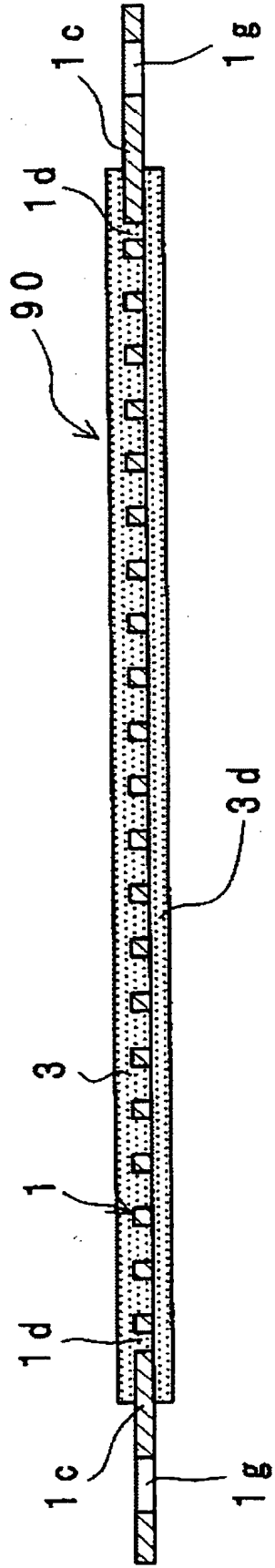




Fig. 12H

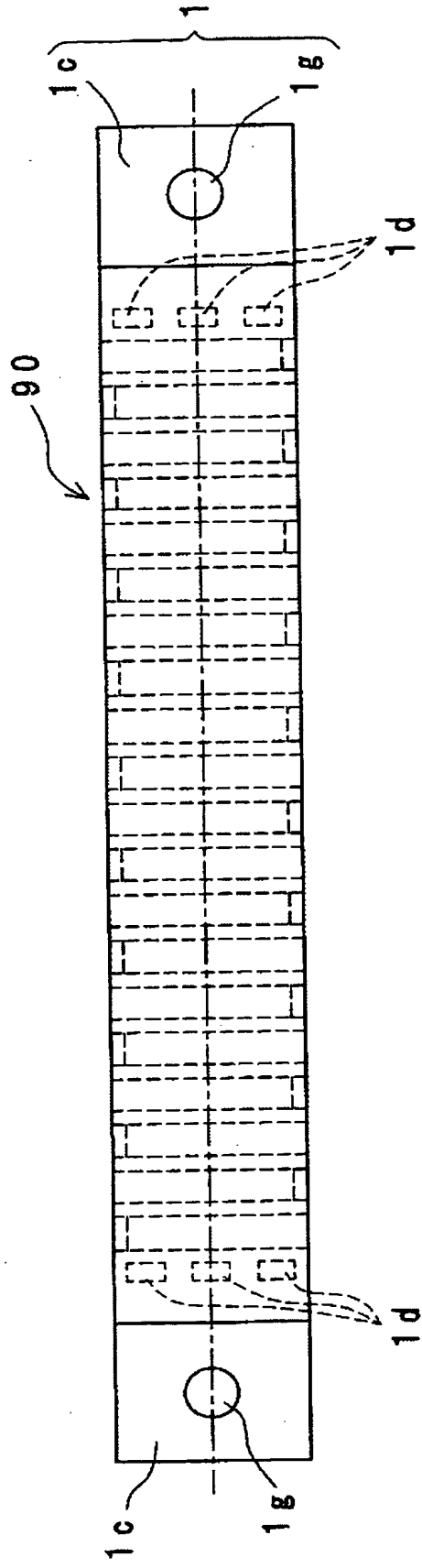
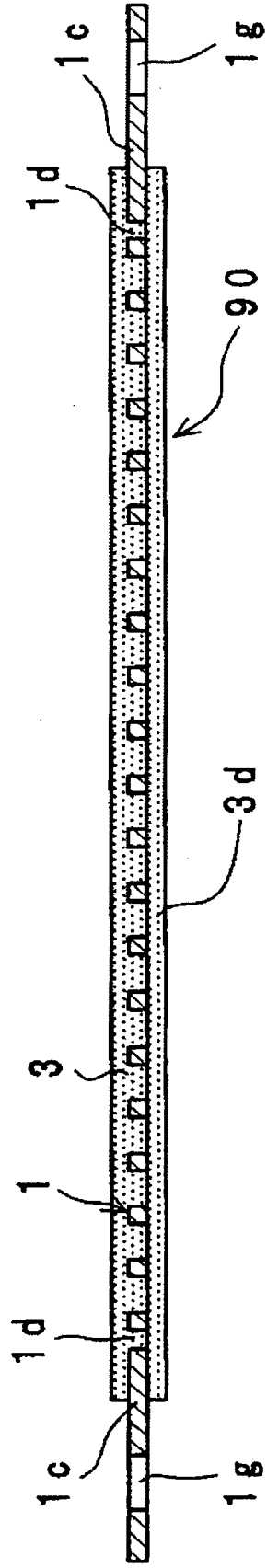


Fig. 12 I



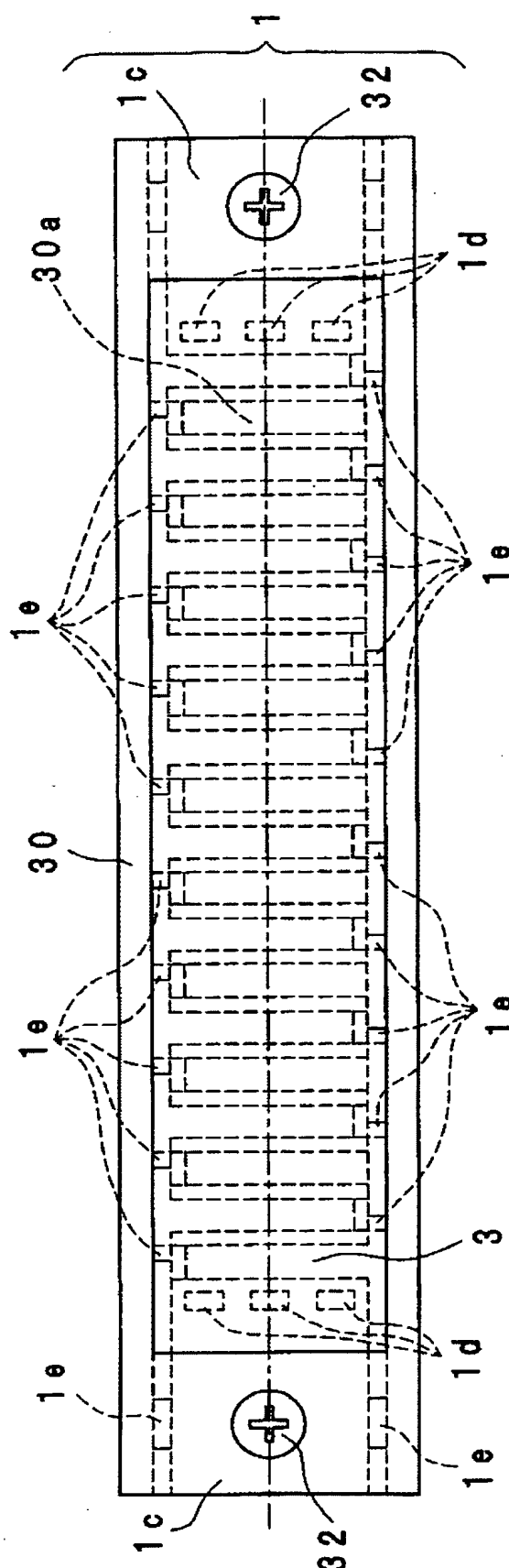


Fig.13B

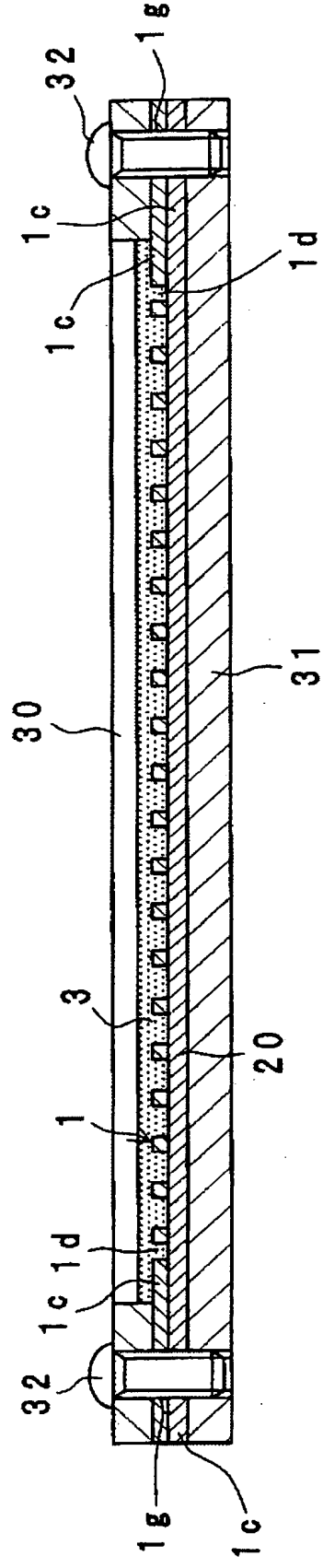


Fig. 13C

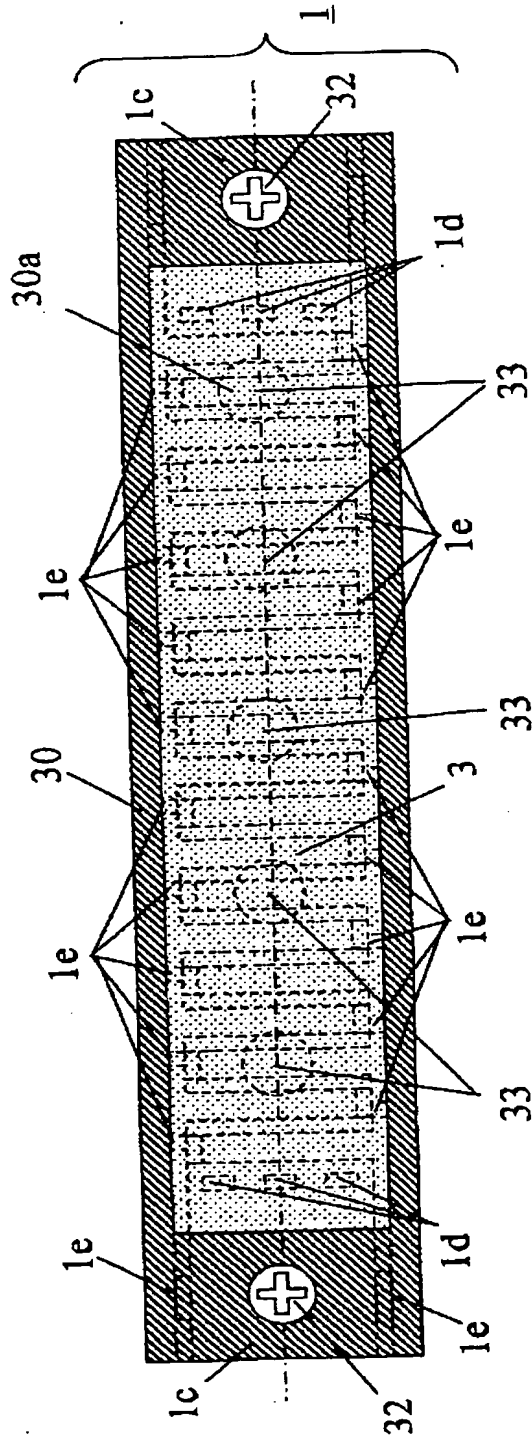


Fig. 13D

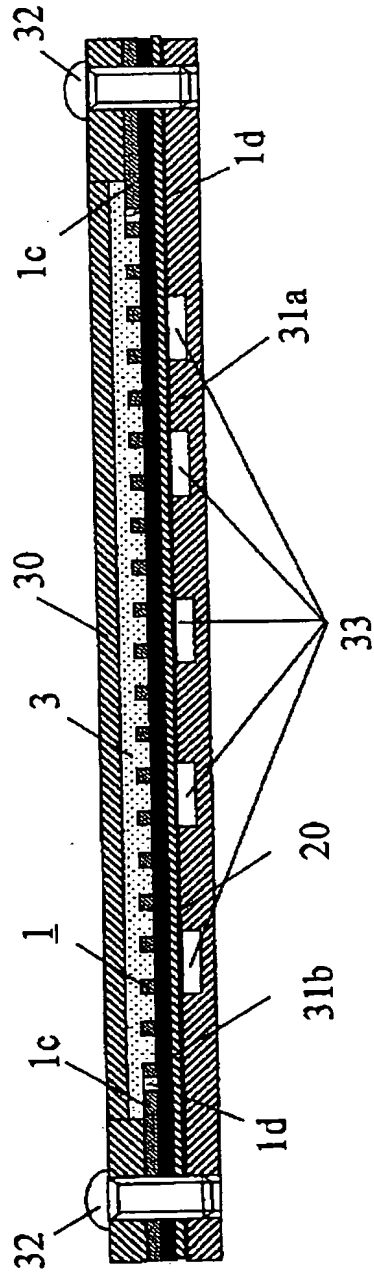


Fig. 13E

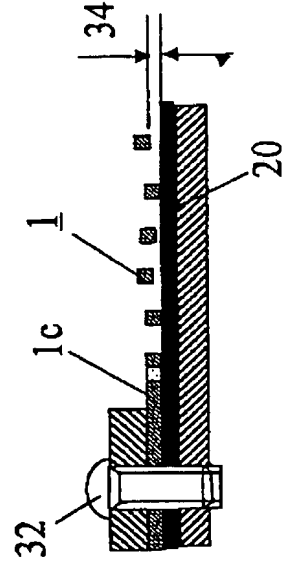


Fig. 13F

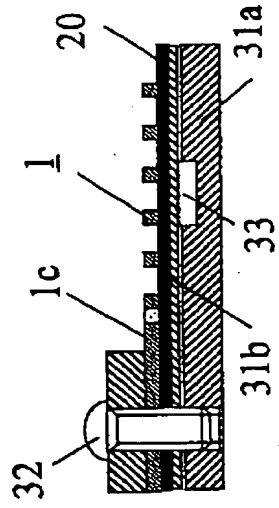


Fig. 14A

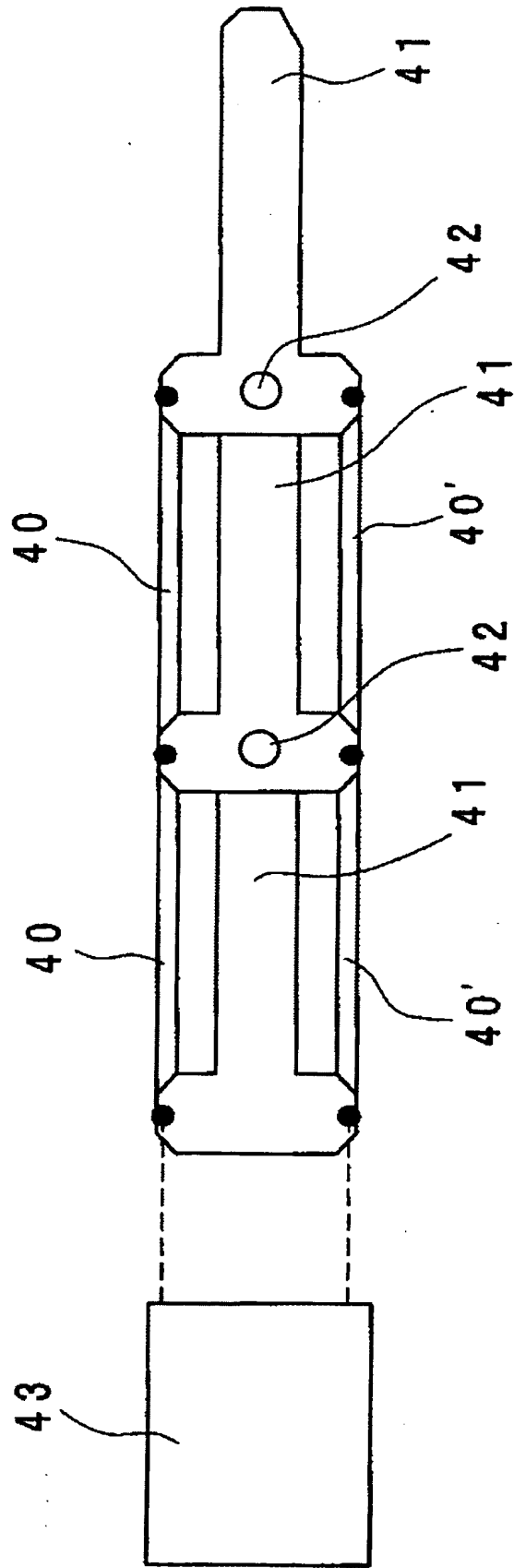




Fig. 14B

